



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** **AFRESH**

**Uses:** General purpose residual deodoriser for hospitality and washrooms.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Benzyl Ammonium Chloride	< 5	68424-85-1
Perfume	< 1	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, consult a specialist.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Use personal protective equipment.

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### **Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

### **Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Blue
<b>Odour:</b>	Ice cologne fragrance
<b>pH:</b>	7.5 – 8.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo dangerous polymerization.

## 11. TOXICOLOGICAL INFORMATION

### Swallowed

May be irritating to digestive system if swallowed.

### Eye

May causes eye irritation.

### Skin

Avoid contact with skin. May be irritating to skin.

### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08.08.2008
Print date:	16/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** AIRLIFT ALPINE

**Uses:** General purpose disinfectant deodoriser.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Non hazardous according to criteria of NOHSC/ASCC**

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Quaternary Ammonium Compound	< 5	6834-92-0
Non ionic Surfactant	< 10	Non Hazardous
Perfume	< 3	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, consult a specialist.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Blue
<b>Odour:</b>	Pine
<b>pH:</b>	10 – 10.5
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo dangerous polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data are available for this material. The information shown is for Quaternary Ammonium Compound which is less than 5% of product.

### Toxicity Data

Oral LD50 Rat: 500-2000mg/kg.

### Health Effects – Acute

#### Swallowed

May be irritating to the digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.



## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.08

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	8.1
Revision date:	08.08.08
Print date:	16/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** AIRLIFT CARESS

**Uses:** General purpose disinfectant deodoriser.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Emergency: 1800 801 919

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Non hazardous according to criteria of NOHSC/ASCC**

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Quaternary Ammonium Compound	< 5	6834-92-0
Non ionic Surfactant	< 10	Non Hazardous
Sequestering Agent	< 5	Non Hazardous
Perfume	< 3	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, consult a specialist.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Use personal protective equipment.

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### **Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

### **Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Wine red
<b>Odour:</b>	Floral powdery sweet fragrance
<b>pH:</b>	9.5 – 10.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo dangerous polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is for Quaternary Ammonium Compound which is less than 5% of product.

### Toxicity Data

Oral LD50 Rat: 500-2000mg/kg.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	16/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** AIRLIFT FLORAFRESH

**Uses:** General purpose disinfectant deodoriser.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Non hazardous according to criteria of NOHSC/ASCC**

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Quaternary Ammonium Compound	< 5	6834-92-0
Non ionic Surfactant	< 10	Non Hazardous
Perfume	< 3	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, consult a specialist.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.



## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Use personal protective equipment.

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### **Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

### **Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Purple
<b>Odour:</b>	Floral powdery sweet fragrance
<b>pH:</b>	6.0 – 7.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo dangerous polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is for Quaternary Ammonium Compound which is less than 5% of product.

### Toxicity Data

Oral LD50 Rat: 500-2000mg/kg.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May cause eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	16/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** AIRLIFT JELLYBEAN

**Uses:** General purpose disinfectant deodoriser.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Quaternary Ammonium Compound	< 5	6834-92-0
Non ionic Surfactant	< 10	Non Hazardous
Perfume	< 3	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, consult a specialist.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Bright red
<b>Odour:</b>	Floral powdery sweet fragrance
<b>pH:</b>	6.0 – 7.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo dangerous polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is for Quaternary Ammonium Compound which is less than 5% of product.

### Toxicity Data

Oral LD50 Rat: 500-2000mg/kg.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May cause eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.



## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	16/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** AIRLIFT SPICE ISLAND

**Uses:** General purpose disinfectant deodoriser.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Non hazardous according to criteria of NOHSC/ASCC**

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Quaternary Ammonium Compound	< 5	6834-92-0
Non ionic Surfactant	< 10	Non Hazardous
Perfume	< 3	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, consult a specialist.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Brown
<b>Odour:</b>	Spicy
<b>pH:</b>	6.0 – 7.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo dangerous polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is for Quaternary Ammonium Compound which is less than 5% of product.

### Toxicity Data

Oral LD50 Rat: 500-2000mg/kg.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May cause eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	16/09/08



MATERIAL SAFETY DATA SHEET

**1. PRODUCT & COMPANY IDENTIFICATION**

**Product Name:** ALL ROUND

**Uses:** Carpet cleaning chemical.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

**2. HAZARDS IDENTIFICATION**

Classified as non-hazardous according to criteria of NOHSC

**Safety Phrases**

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Identity	Percentage	CAS No.
Butyl Glycol Ether	< 8	111-76-2
Xylene	< 2	95-47-6
Anionic surfactant	< 5	Non Hazardous
Colour	Trace	Non Hazardous
Sequestering Agent	< 1	Non Hazardous
Phosphate Salt	< 5	Non Hazardous
Processing Aid	< 10	Non Hazardous
Fragrance	< 1	Non Hazardous
Water	> 50	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.



## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product. The Exposure Standards for Butyl Glycol Ether cas no: 111-76-2; TWA: 20ppm (96.9mg/m<sup>3</sup>) STEL: 50ppm (242mg/m<sup>3</sup>).

Absorption through skin may be a significant source of exposure.

**Exposure controls:**

**Eye protection:** Wear safety glasses with side-shields.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** If using in confined space or poorly ventilated area appropriate respiratory protection should be used.

**Engineering measures:** Use only in a well ventilated area. If handling large amounts a system of local and/or general exhaust is recommended..

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Green
<b>Odour:</b>	Cologne
<b>pH:</b>	9.8 +/- 0.3
<b>Boiling point/range:</b>	100-171°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.04
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** No special precautions.

**Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is for ethylene glycol mono butyl ether which is present at less than 8%.

### **Toxicity Data**

Oral LD50 Rat: 470mg/Kg. Skin LD50 Rabbit: 220mg/Kg. Inhaled LC50 Rat: 2211mg/m<sup>3</sup> (4hr).  
Skin Irritation Rabbit: Slight irritation. Eye Irritation: Irritation.

Note: No studies are available on the effects of long term exposure in humans. Studies indicate that repeated exposure causes blood, liver and kidney disorders in animals. Deaths in acute studies were generally caused by narcosis or respiratory failure, with kidney failure seen as a secondary cause.

The main toxic effect observed in acute and repeated dose animal studies is haemolysis. The effect varies between species with rats and mice the most susceptible, rabbits less susceptible and guinea-pigs and humans least susceptible. Changes in kidney, liver, spleen and lungs were found in animals exposed by ingestion, inhalation and skin absorption. Deaths usually result from CNS depression, lung damage and kidney injury.

### **Health Effects – Acute**

#### **Swallowed**

May be harmful if swallowed. Ingestion may cause irritation of mucous membranes in mouth, pharynx, oesophagus and gastro-intestinal tracts. Symptoms include nausea, headache, vomiting, ataxia (impaired locomotor co-ordination), acidosis, drowsiness, Agitation, insomnia, changes in the blood picture, pulmonary oedema and damage to the liver and kidneys.

#### **Eye**

Causes eye irritation.

#### **Skin**

Irritating to skin. Danger of skin absorption.

#### **Inhaled**

Inhalation causes irritation to the mucus membranes, coughing and dyspnoea. Chronic exposure causes damage to blood cells and blood in urine.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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**Uncontrolled document. Please ensure you have the current copy.**

Version	7.1
Revision date:	08.08.2008
Print date:	16/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** BARRICADE

**Uses:** Polished concrete and terrazzo floor sealer for reducing liquid absorption.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

## 2. HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of NOHSC**

**Risk Classification:** Xi; R36/38 Irritating to eyes and skin.

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Potassium methylsilanetriolate	< 30	31795-24-1
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. Seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. Seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. Launder clothing before reuse. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

**5. FIRE FIGHTING MEASURES**

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Use personal protective equipment.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

**7. HANDLING & STORAGE**

**Handling:**

Avoid contact with eyes and skin.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Engineering measures:** Use in well ventilated area.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Low
<b>pH:</b>	12.0
<b>Boiling point/range:</b>	100°C
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.05
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** Avoid contact with strong acids.

**Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

### Health Effects – Acute

#### Swallowed

May be harmful if swallowed. Ingestion may cause irritation of mucous membranes in mouth, pharynx, oesophagus and gastro-intestinal tracts. Symptoms include nausea, headache, vomiting, ataxia (impaired locomotor co-ordination), acidosis, drowsiness, Agitation, insomnia, changes in the blood pressure, pulmonary oedema and damage to the liver and kidneys.

#### Eye

Causes eye irritation.

#### Skin

Irritating to skin. May cause burns.

#### Inhaled

Not a likely path of health risk

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.



## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08-08-2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre

<b>Immiscible</b>	<b>Liquids are insoluble in each other</b>
<b>kg</b>	<b>Kilogram</b>
<b>kg/m<sup>3</sup></b>	<b>Kilograms per cubic metre</b>
<b>ltr</b>	<b>Litre</b>
<b>m<sup>3</sup></b>	<b>Cubic metre</b>
<b>mg</b>	<b>Milligram</b>
<b>mg/24H</b>	<b>Milligrams per 24 hours</b>
<b>mg/kg</b>	<b>Milligrams per kilogram</b>
<b>mg/m<sup>3</sup></b>	<b>Milligrams per cubic metre</b>
<b>miscible</b>	<b>Liquids form one homogeneous liquid</b>
<b>ppm</b>	<b>Parts per million</b>
<b>wt</b>	<b>weight</b>

**Literature References:** Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.2
Revision date:	12.12.2008
Print date:	04/12/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** **BEDROCK**

**Uses:** Floor sealer

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a preparation.

This product does not contain any substances presenting a health or environmental hazard.

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Skin Exposure:** Wash with water and soap as a precaution. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Thermal decomposition:** Thermal decomposition may yield acrylic monomers.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or gas.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** If working in confined space or poor ventilation use appropriate respiratory protection.

**Engineering measures:** Use only in area with good ventilation

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Polymer odour
<b>pH:</b>	8.7 – 9.3
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	22.6648 Pa at 20°C Water
<b>Relative vapour density:</b>	<1.0 Water
<b>Water solubility:</b>	Dilutable
<b>Relative density:</b>	1.03 – 1.04
<b>Viscosity, dynamic:</b>	15.000 mPa.s
<b>Evaporation rate:</b>	<1.00 Water
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** No special precautions.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is based on profiles of compositionally similar materials.

<b>Acute oral toxicity:</b>	LD50 rat > 5,000 mg/kg
<b>Acute dermal toxicity:</b>	LD50 rabbit > 5,000 mg/kg
<b>Skin irritation:</b>	rabbit May cause transient irritation.
<b>Eye irritation:</b>	rabbit No eye irritation.

## 12. ECOLOGICAL INFORMATION

There is no data available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate this material at a facility that complies with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation:08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08/08/2008
Print date:	16/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** BIF

**Uses:** Crème cleanser

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Classified as non-hazardous according to criteria of NOHSC**

### Safety Phrases

S2 Keep out of reach of children.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Calcium Carbonate	< 60	Non Hazardous
Phosphate Salt	< 10	Non Hazardous
Non-ionic Surfactant	< 10	Non Hazardous
Colour	Trace	Non Hazardous
Preservative	< 1	Non Hazardous
Fragrance	< 1	Non Hazardous
Water	> 20	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Wash affected area with plenty of water. If skin irritation persists seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.



## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Collect material into a suitable container.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes.

### Conditions for safe storage

Keep container closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Engineering measures:** No special precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Thick cream
<b>Colour:</b>	Milky Yellow
<b>Odour:</b>	Lemon
<b>pH:</b>	9.0 – 10.0
<b>Boiling point/range:</b>	Not established
<b>Melting point/range:</b>	Not established
<b>Flash point:</b>	Non combustible
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Dispersible
<b>Relative density:</b>	1.02
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** No special precautions.

**Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system.

#### Eye

May cause eye irritation.

#### Skin

May be irritating to skin with prolonged contact.

#### Inhaled

Not a likely health issue.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08/08/08
Print date:	16/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** BIO BLEACH

**Uses:** Stain remover in carpet cleaning.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Not classified as hazardous according to criteria of NOHSC

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Sodium Carbonate	< 25	497-19-8
Sodium Carbonate Peroxyhydrate	< 25	15630-89-4
Oxygen Bleach Activator	< 10	Non Hazardous
Inorganic Salt	< 50	Non Hazardous

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Wash affected area with plenty of water. If skin irritation persists seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is a non combustibile solid and is unlikely to play a contributing role in any fire.

### Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Avoid contact with eyes.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Collect material into a suitable container. Sweep up.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes.

### Conditions for safe storage

Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Engineering measures:** No special precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Granular solid
<b>Colour:</b>	Blue
<b>Odour:</b>	Low odour
<b>pH:</b>	11.0 for 1% solution
<b>Boiling point/range:</b>	Not established
<b>Melting point/range:</b>	Not established
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Soluble
<b>Relative density:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** No special precautions.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system.

#### Eye

May cause eye irritation.

#### Skin

May be irritating to skin with prolonged contact.

#### Inhaled

Not a likely health issue.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08-08-2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

**Literature References:** Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08/08/2008
Print date:	16/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** **BLOCKADE**

**Uses:** Floor sealer

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a preparation.

This product does not contain any substances presenting a health or environmental hazard.

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Skin Exposure:** Wash with water and soap as a precaution. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air.



## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Thermal decomposition:** Thermal decomposition may yield acrylic monomers.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or gas.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product.

### **Exposure controls:**

**Eye protection:** Safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** If working in confined space or poor ventilation use appropriate respiratory protection.

**Engineering measures:** Use only in area provided with appropriate exhaust ventilation.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Polymer odour
<b>pH:</b>	7.3 – 7.5
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	0°C Water
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	22.6648 Pa at 20°C Water
<b>Relative vapour density:</b>	<1.0 Water
<b>Water solubility:</b>	Dilutable
<b>Relative density:</b>	1.03 – 1.04
<b>Viscosity, dynamic:</b>	15.000 mPa.s
<b>Evaporation rate:</b>	<1.00 Water
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Stable under normal conditions of use and storage.

**Materials to avoid:** No special precautions.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is based on profiles of compositionally similar materials.

<b>Acute oral toxicity:</b>	LD50 rat > 5,000 mg/kg
<b>Acute dermal toxicity:</b>	LD50 rabbit > 5,000 mg/kg
<b>Skin irritation:</b>	rabbit May cause transient irritation.
<b>Eye irritation:</b>	rabbit No eye irritation.

## 12. ECOLOGICAL INFORMATION

There is no data available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate this material at a facility that complies with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:**08.08.2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit

TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

#### Literature References: Supplies MSDS

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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Version	7.1
Revision date:	08/08/2008
Print date:	16/09/08



MATERIAL SAFETY DATA SHEET

**1. PRODUCT & COMPANY IDENTIFICATION**

**Product Name:** BLUE PRIDE

**Uses:** Laundry detergent.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

**2. HAZARDS IDENTIFICATION**

Classified as hazardous according to criteria of NOHSC

**Xi;** Irritant

**Risk Phrases**

R36/38 Irritating to eyes and skin.

**Safety Phrases**

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

S36/37 Wear suitable protective clothing.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Identity	Percentage	CAS No.
Sodium Carbonate	> 60	497-19-8
Sodium Metasilicate	> 10	6834-92-0
Phosphate Salt	< 5	Non Hazardous
Anionic Surfactant	< 10	Non Hazardous
Non-ionic Surfactant	< 5	Non Hazardous
Colour	Trace	Non Hazardous
Optical Brightener	< 1	Non Hazardous
Fragrance	< 1	Non Hazardous

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Wash affected area with plenty of water. If skin irritation persists seek medical advice.

### **Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is a non combustible solid and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Avoid contact with eyes.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Collect material into a suitable container.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes.

### **Conditions for safe storage**

Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

### **Exposure controls:**

**Eye protection:** Safety glasses.

**Hand protection:** Wear suitable gloves.

**Engineering measures:** No special precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Granular solid
<b>Colour:</b>	Blue
<b>Odour:</b>	Lemon
<b>pH:</b>	11.5 for 1% solution
<b>Boiling point/range:</b>	Not established
<b>Melting point/range:</b>	Not established
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Soluble
<b>Relative density:</b>	Not determined
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system.

#### Eye

May cause eye irritation.

#### Skin

May be irritating to skin with prolonged contact.

#### Inhaled

Not a likely health issue.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.



## 16. OTHER INFORMATION

Date of Preparation: 08.08.08

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

**Literature References:** Supplies MSDS

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Version	7.1
Revision date:	08/08/08
Print date:	16/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** **BREAKAWAY**

**Uses:** Non caustic food, fat and residue dispersant.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

## 2. HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of NOHSC**

**Risk Classification:** Xi; R36/38 Irritating to eyes and skin.

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Anionic Surfactant	< 5	Non Hazardous
Non-ionic Surfactant	< 1	Non Hazardous
Phosphate Salt	< 5	Non Hazardous
Sodium Metasilicate	< 10	6834-92-0
2-Butoxyethanol	< 5	111-76-2
Water	> 50	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective equipment.

Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes and skin.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Engineering measures:** Use in well ventilated area.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless – pale yellow
<b>Odour:</b>	Pungent
<b>pH:</b>	13.0
<b>Boiling point/range:</b>	100 - 172°C
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.08
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** Avoid contact with strong acids.

**Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is for 2-butoxyethanol which is present at less than 5%.

### Toxicity Data

Oral LD50 Rat: 470mg/Kg. Skin LD50 Rabbit: 220mg/Kg. Inhaled LC50 Rat: 2211mg/m<sup>3</sup> (4hr).  
Skin Irritation Rabbit: Slight irritation. Eye Irritation: Irritation.

Note: No studies are available on the effects of long term exposure in humans. Studies indicate that repeated exposure causes blood, liver and kidney disorders in animals. Deaths in acute studies were generally caused by narcosis or respiratory failure, with kidney failure seen as a secondary cause.

The main toxic effect observed in acute and repeated dose animal studies is haemolysis. The effect varies between species with rats and mice the most susceptible, rabbits less susceptible and guinea-pigs and humans least susceptible. Changes in kidney, liver, spleen and lungs were found in animals exposed by ingestion, inhalation and skin absorption. Deaths usually result from CNS depression, lung damage and kidney injury.

### Health Effects – Acute

#### Swallowed

May be harmful if swallowed. Ingestion may cause irritation of mucous membranes in mouth, pharynx, oesophagus and gastro-intestinal tracts. Symptoms include nausea, headache, vomiting, ataxia (impaired locomotor co-ordination), acidosis, drowsiness, Agitation, insomnia, changes in the blood picture, pulmonary oedema and damage to the liver and kidneys.

#### Eye

Causes eye irritation.

#### Skin

Irritating to skin. Danger of skin absorption.

#### Inhaled

Inhalation may causes irritation to the mucus membranes, coughing and dyspnoea. Chronic exposure causes damage to blood cells and blood in urine.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08/08/2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	16/09/08



MATERIAL SAFETY DATA SHEET

**1. PRODUCT & COMPANY IDENTIFICATION**

**Product Name:** BROWNING TREATMENT

**Uses:** Carpet spotter for the removal of browning caused by water damage.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

**2. HAZARDS IDENTIFICATION**

**Classified as hazardous according to criteria of NOHSC**

**Risk Classification:** Xn; Harmful

**Risk Phrases**

- R22 Harmful if swallowed.
- R31 Contact with acids liberate toxic gas.
- R41 Risk of serious damage to eyes.

**Safety Phrases**

- S2 Keep out of reach of children.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Identity	Percentage	CAS No.
Sodium Metabisulphite	< 20	7681-57-4
Water	> 80	7732-18-5



## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. Seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. Seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire. Heated product may give off highly irritating fumes.

### Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire. Breathing apparatus must be worn.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective equipment including breathing apparatus and eye protection. Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes and skin. Avoid breathing fumes.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Engineering measures:** Use only in well ventilated area.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless – pale yellow
<b>Odour:</b>	Pungent (sulphur dioxide)
<b>pH:</b>	4.0 - 5.0
<b>Boiling point/range:</b>	Approximately 100°C
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.08 +/- 0.005
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** Avoid contact with strong acids.

**Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is for sodium metabisulphite raw material which is present at less than 20%.

### Toxicity Data

Oral LD50 Rat: 1540mg/Kg

### Health Effects – Acute

#### Swallowed

Harmful if swallowed.

### Eye

Risk of serious damage to eyes.

### Skin

Not irritating to skin. Allergic people may suffer skin irritation.

### Inhaled

Irritating to respiratory system.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
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LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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**Uncontrolled document. Please ensure you have the current copy.**

Version	7.1
Revision date:	08.08.2008
Print date:	23/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** COFFEE BREAK

**Uses:** Removal of tannin stains from fabric and fibres..

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

## 2. HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of NOHSC**

**Risk Classification:** Xi; Irritant.

**Risk Phrases:** R36/37/38: Irritating to eyes, respiratory system and skin.

### Safety Phrases

S1/2 Keep locked up and out of reach of children.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse with plenty of water and seek medical advice.

S45 In case of accident or you feel unwell, seek medical advice immediately (show label or this MSDS whenever possible).

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Oxalic Acid	< 3	64-19-7
Acetic Acid	< 5	144-62-7
Hydrochloric Acid	< 0.5	7647-01-0
Glycolic Acid	< 5	Non Hazardous
Non-ionic Surfactant	< 10	Non Hazardous
Water	> 80	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. Seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. Seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. Launder clothing before reuse. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

Heated product may give off highly irritating fumes.

### Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire. Breathing apparatus must be worn.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective equipment including impervious gloves and eye protection.

Spilt material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes and skin.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container closed when not in use. Do not store next to strong oxidizing agents or strong alkalies.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Engineering measures:** Use only in well ventilated area.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Pungent acidic
<b>pH:</b>	1.0
<b>Boiling point/range:</b>	Approximately 100°C
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.03
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

- Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature. Do not store in metal containers.
- Materials to avoid:** Avoid contact with strong alkalies and strong oxidising agents.
- Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material

### Health Effects – Acute

#### Swallowed

Ingestion may cause acidic burns to the digestive tracts and digestive system.

#### Eye

May causes burns to eyes.

#### Skin

Irritating to skin.

#### Inhaled

Inhalation may causes irritation to the mucus membranes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.



## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Poison Schedule** None Scheduled

**EPG :** Not Applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08-08-2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

<b>NOHSC</b>	<b>National Occupational Health and Safety Commission.</b>
<b>OECD</b>	<b>Organisation for Economic Co-operation and Development.</b>
<b>PEL</b>	<b>Permissible Exposure Limit.</b>
<b>STEL</b>	<b>Short Term Exposure Limit</b>
<b>TLV</b>	<b>Threshold Limit Value</b>
<b>TWA</b>	<b>Time Weighted Average</b>
<b>UN</b>	<b>United Nations (Number)</b>
<b>deg C (°C)</b>	<b>Degrees Celsius</b>
<b>g</b>	<b>Gram</b>
<b>g/cm<sup>3</sup></b>	<b>Grams per cubic centimetre</b>
<b>g/l</b>	<b>Grams per litre</b>
<b>Immiscible</b>	<b>Liquids are insoluble in each other</b>
<b>kg</b>	<b>Kilogram</b>
<b>kg/m<sup>3</sup></b>	<b>Kilograms per cubic metre</b>
<b>ltr</b>	<b>Litre</b>
<b>m<sup>3</sup></b>	<b>Cubic metre</b>
<b>mg</b>	<b>Milligram</b>
<b>mg/24H</b>	<b>Milligrams per 24 hours</b>
<b>mg/kg</b>	<b>Milligrams per kilogram</b>
<b>mg/m<sup>3</sup></b>	<b>Milligrams per cubic metre</b>
<b>miscible</b>	<b>Liquids form one homogeneous liquid</b>
<b>ppm</b>	<b>Parts per million</b>
<b>wt</b>	<b>Weight</b>

#### Literature References: Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** CROSSFIRE

**Uses:** Detergent degreaser.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

## 2. HAZARDS IDENTIFICATION

**Hazardous according to criteria of NOHSC/ASCC**

**Xi;** Irritant

### Risk Phrases

R36/37/38 Irritating to eyes, respiratory system and skin.

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

S36/37 Wear suitable protective clothing.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Sodium metasilicate	< 2	6834-92-0
2-Butoxyethanol	< 10	111-76-2
Non ionic Surfactant	< 5	Non Hazardous
Sodium Hydroxide	< 0.5	1310-73-2
Anionic surfactant	< 5	Non Hazardous
Colour	Trace	Non Hazardous
Ethanol	< 2	64-17-5
Phosphate Salt	< 5	Non Hazardous
Processing Aid	< 5	Non Hazardous
Water	> 50	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

### **Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### **Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product. The Exposure Standards for 2-Butoxyethanol CAS No: 111-76-2; TWA: 20ppm (96.9mg/m<sup>3</sup>) STEL: 50ppm (242mg/m<sup>3</sup>). Absorption through skin may be a significant source of exposure.

**Exposure controls:**

**Eye protection:** Wear safety glasses with side-shields.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** If working in confined space or poor ventilation use appropriate respiratory protection.

**Engineering measures:** Use only in a well ventilated area. If handling large amounts a system of local and/or general exhaust is recommended.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Blue
<b>Odour:</b>	Mild
<b>pH:</b>	12.5 – 13.0
<b>Boiling point/range:</b>	100-171°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.05
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Strong acids.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

The information shown is for 2-Butoxyethanol which is present at less than 10%.

### Toxicity Data

Oral LD50 Rat: 470mg/Kg. Skin LD50 Rabbit: 220mg/Kg. Inhaled LC50 Rat: 2211mg/m<sup>3</sup> (4hr). Skin Irritation Rabbit: Slight irritation. Eye Irritation: Irritation.

Note: No studies are available on the effects of long term exposure in humans. Studies indicate that repeated exposure causes blood, liver and kidney disorders in animals. Deaths in acute studies were generally caused by narcosis or respiratory failure, with kidney failure seen as a secondary cause.

The main toxic effect observed in acute and repeated dose animal studies is haemolysis. The effect varies between species with rats and mice the most susceptible, rabbits less susceptible and guinea-pigs and humans least susceptible. Changes in kidney, liver, spleen and lungs were found in animals exposed by ingestion, inhalation and skin absorption. Deaths usually result from CNS depression, lung damage and kidney injury.

### Health Effects – Acute

#### Swallowed

May be harmful if swallowed. Ingestion may cause irritation of mucous membranes in mouth, pharynx, oesophagus and gastro-intestinal tracts. Symptoms include nausea, headache, vomiting, ataxia (impaired locomotor co-ordination), acidosis, drowsiness, Agitation, insomnia, changes in the blood pressure, pulmonary oedema and damage to the liver and kidneys.

#### Eye

Causes eye irritation.

#### Skin

Irritating to skin. Danger of skin absorption.

#### Inhaled

Inhalation causes irritation to the mucus membranes, coughing and dyspnoea. Chronic exposure causes damage to blood cells and blood in urine.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

**Literature References:** Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08





MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** CRUSADER

**Uses:** Disinfectant, deodorizer and cleaner.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of NOHSC

### **Xi; Irritant**

Risk Phrases R36/38 Irritating to eyes and skin.

Safety Phrases S1 Keep locked up  
S2 Keep out of reach of children

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Non-ionic Surfactant	< 5	Non Hazardous
Phosphate Salt	< 5	Non Hazardous
Sequestering Agent	< 2	Non Hazardous
Quaternary Ammonium Compound	< 7	63449-41-2
Colour	Trace	Non Hazardous
Water	> 60	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, consult a specialist.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective equipment.

Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Green
<b>Odour:</b>	Low odour
<b>pH:</b>	10.0 – 11.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.04
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** Avoid contact with strong alkalies and strong oxidizing agents.

**Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is for Quaternary Ammonium Compound which is less than 5% of product.

### **Toxicity Data**

Oral LD50 Rat: 500-2000mg/kg.

No data are available for this material.

### **Health Effects – Acute**

#### **Swallowed**

Irritating to mouth, throat and digestive system.

#### **Eye**

Irritating to eyes..

#### **Skin**

Avoid contact with skin. Irritating to skin.

#### **Inhaled**

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### **Additional information**

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08.08.2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram

kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

**Literature References:** Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** DAYLIGHT EXPRESS

**Uses:** Floor sealer

**Supplier Details:** Wedina HoldingS Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a preparation.

This product does not contain any substances presenting a health or environmental hazard.

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Skin Exposure:** Wash with water and soap as a precaution. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Thermal decomposition:** Thermal decomposition may yield acrylic monomers.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or gas.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product.

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** If working in confined space or poor ventilation use appropriate respiratory protection.

**Engineering measures:** Use only in area with adequate ventilation.



## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Polymer odour
<b>pH:</b>	8.3 – 8.9
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	22.6648 Pa at 20°C Water
<b>Relative vapour density:</b>	<1.0 Water
<b>Water solubility:</b>	Dilutable
<b>Relative density:</b>	1.03 – 1.04
<b>Viscosity, dynamic:</b>	15.000 mPa.s
<b>Evaporation rate:</b>	<1.00 Water
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	There are no known materials which are incompatible with this product.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is based on profiles of compositionally similar materials.

<b>Acute oral toxicity:</b>	LD50 rat > 5,000 mg/kg
<b>Acute dermal toxicity:</b>	LD50 rabbit > 5,000 mg/kg
<b>Skin irritation:</b>	rabbit May cause transient irritation.
<b>Eye irritation:</b>	rabbit No eye irritation.

## 12. ECOLOGICAL INFORMATION

There is no data available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate this material at a facility that complies with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08-08-2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value

TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

**Literature References:** Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** DESCALER

**Uses:** Removal of calcium and rust stains from metal and mineral surfaces.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

## 2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of NOHSC

**Risk Classification:** C; Corrosive.

**Risk Phrases:** R34: Causes burns.

### Safety Phrases

S1/2 Keep locked up and out of reach of children.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse with plenty of water and seek medical advice.

S45 In case of accident or you feel unwell, seek medical advice immediately (show label or this MSDS whenever possible).

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Phosphoric Acid	< 60	7664-38-2
Water	> 40	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Causes acid burns Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. Seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. Seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. Launder clothing before reuse. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** 2R

Product is water based and is unlikely to play a contributing role in any fire. Heat product may give off highly irritating fumes.

### Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire. Breathing apparatus must be worn.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective equipment including impervious gloves and eye protection.

Spilt material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes and skin.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use. Do not store next to strong oxidizing agents or strong alkalies.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Engineering measures:** Use only in well ventilated area.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Acidic
<b>pH:</b>	Less than 1.0
<b>Boiling point/range:</b>	Approximately 100°C
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.41 +/- 0.02
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

- Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature. Do not store in metal containers.
- Materials to avoid:** Avoid contact with strong alkalies and strong oxidising agents.
- Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material

### Health Effects – Acute

#### Swallowed

Ingestion may cause acidic burns to the digestive tracts and digestive system.

#### Eye

May causes burns to eyes. Strong irritant.

#### Skin

Irritating to skin. Danger of skin burns.

#### Inhaled

Inhalation may causes irritation to the mucus membranes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Australian Code For Transport of Dangerous Goods by ROAD and RAIL**

U.N. Number: 1805

U.N. Proper Shipping Name: PHOSPHORIC ACID SOLUTION

Subsidiary Risk: N/A

Packaging Group: III

Hazchem Code: 2R

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** S6

**EPG :** CORROSIVE LIQUID, ACIDIC, INORGANIC NOS

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.



## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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**Uncontrolled document. Please ensure you have the current copy.**

Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** FIBRELOC

**Uses:** Water based carpet and upholstery protector. Repels water by bead formation.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Emergency: 1800 801 919

Fax Number: (02) 9682 6855

## 2. HAZARDS IDENTIFICATION

**Non hazardous according to criteria of NOHSC/ASCC**

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Dipropylene Glycol	< 5	110-85-5
Fluoroacrylate Copolymer Emulsion	< 10	Non Hazardous
Polymer Enhancer	< 5	Non Hazardous
Water	> 80	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## **5. FIRE FIGHTING MEASURES**

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## **7. HANDLING & STORAGE**

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Mild
<b>pH:</b>	4.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.0
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

**Literature References:** Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** FIBRELOC New Generation

**Uses:** Water based carpet and upholstery protector. Repels water by bead formation.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Emergency: 1800 801 919

Fax Number: (02) 9682 6855

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Hexylene Glycol	< 5	107-41-5
Fluorinated Polyurethane	< 5	Non Hazardous
Acrylic Copolymer	< 5	Non Hazardous
Water	> 85	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

**5. FIRE FIGHTING MEASURES**

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

**7. HANDLING & STORAGE****Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area.

**9. PHYSICAL & CHEMICAL PROPERTIES**



<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Mild
<b>pH:</b>	5.5 – 6.5
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.0
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data are available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

#### **Additional information**

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

### **13. DISPOSAL CONSIDERATIONS**

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

### **14. TRANSPORT INFORMATION**

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

### **15. REGULATORY INFORMATION**

**Label**

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

### **16. OTHER INFORMATION**

Date of Preparation: 08.08.08

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

**Literature References:** Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08.08.08
Print date:	23/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** FIBRESAFE

**Uses:** Neutraliser for residual alkalinity for carpet and upholstery cleaning.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Non hazardous according to criteria of NOHSC/ASCC**

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Food acid	<10	Non Hazardous
Sequestering agent	< 1	Non Hazardous
Perfume	< 1	Non Hazardous
Processing Aid	< 1	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 80	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## **5. FIRE FIGHTING MEASURES**

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## **7. HANDLING & STORAGE**

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Light Green
<b>Odour:</b>	Alpine
<b>pH:</b>	2.0 – 2.5
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.0
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** No special precautions.

**Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

**Health Effects – Acute**

**Swallowed**

May be irritating to digestive system if swallowed.

**Eye**

May causes eye irritation.

**Skin**

Avoid contact with skin. May be irritating to skin.

**Inhaled**

Avoid breathing vapour, spray or fumes.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

**Additional information**

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

**13. DISPOSAL CONSIDERATIONS**

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

**14. TRANSPORT INFORMATION****Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08/08/2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight



**Literature References: Supplies MSDS**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08.08.2008
Print date:	23/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** FIBRESOFT PRESPRAY

**Uses:** Detergent pre-spray for upholstery cleaning.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Phosphate Salt	<10	Non Hazardous
Anionic Surfactant	< 10	Non Hazardous
Non-ionic Surfactant	< 5	Non Hazardous
Glycol Ether	< 5	Non Hazardous
Butyl Glycol Ether	< 3	111-76-2
Optical Brightener	< 1	Non Hazardous
Perfume	< 1	Non Hazardous
Water	> 60	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### **Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### **Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Tan Brown
<b>Odour:</b>	Floral
<b>pH:</b>	9.5
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.05
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** No special precautions.

**Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08/08/2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

**Literature References:** Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** FIBRESOFT RINSE

**Uses:** Rinse for upholstery fabrics.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Non hazardous according to criteria of NOHSC/ASCC**

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Cationic Surfactant	< 15	Non Hazardous
Non-ionic Surfactant	< 5	Non Hazardous
Colour	Trace	Non Hazardous
Perfume	< 1	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area



## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Blue Translucent
<b>Odour:</b>	Floral
<b>pH:</b>	4.0 – 5.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

**Literature References:** Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** **FILMSTAR**

**Uses:** Floor sealer

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a preparation.

This product does not contain any substances presenting a health or environmental hazard.

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Skin Exposure:** Wash with water and soap as a precaution. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Thermal decomposition:** Thermal decomposition may yield acrylic monomers.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or gas.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product.

**Exposure controls:**

**Eye protection:** Safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** If working in confined space or poor ventilation use appropriate respiratory protection.

**Engineering measures:** Use only in area provided with appropriate exhaust ventilation.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Polymer odour
<b>pH:</b>	8.3 – 8.9
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	22.6648 Pa at 20°C Water
<b>Relative vapour density:</b>	<1.0 Water
<b>Water solubility:</b>	Dilutable
<b>Relative density:</b>	1.03 – 1.04
<b>Viscosity, dynamic:</b>	15.000 mPa.s
<b>Evaporation rate:</b>	<1.00 Water
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** None known. Stable under normal conditions of use, temperature and storage.

**Materials to avoid:** No special precautions.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is based on profiles of compositionally similar materials.

<b>Acute oral toxicity:</b>	LD50 rat > 5,000 mg/kg
<b>Acute dermal toxicity:</b>	LD50 rabbit > 5,000 mg/kg
<b>Skin irritation:</b>	rabbit May cause transient irritation.
<b>Eye irritation:</b>	rabbit No eye irritation.

## 12. ECOLOGICAL INFORMATION

There is no data available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate this material at a facility that complies with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:**

None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08.08.2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)

deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

**Literature References:** Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08





## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** FOAMEX

**Uses:** De-foamer for wet/dry vacuum cleaners.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Silicone Emulsion	< 20	Non Hazardous
Water	> 80	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky White
<b>Odour:</b>	Odourless
<b>pH:</b>	7.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation:08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008:
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** FOCUS

**Uses:** Laundry detergent.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Phosphate Salt	<10	Non Hazardous
Anionic Surfactant	< 10	Non Hazardous
Non-ionic Surfactant	< 5	Non Hazardous
Colour	Trace	Non Hazardous
Preservative	< 0.1	Non Hazardous
Perfume	< 1	Non Hazardous
Water	> 60	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Thick Liquid
<b>Colour:</b>	Blue
<b>Odour:</b>	Fresh
<b>pH:</b>	8 - 9
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.05
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** No special precautions.

**Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye



May causes eye irritation.

**Skin**

Avoid contact with skin. May be irritating to skin.

**Inhaled**

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

**Additional information**

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation:08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

**Literature References:** Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** FURNOL

**Uses:** Furniture polish.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Non hazardous according to criteria of NOHSC/ASCC**

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Mineral and vegetable oil blend	> 90	Non Hazardous
Kerosene	< 7	UN No 1233
Fragrance	> 3	Non Hazardous

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with soap and water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Use personal protective equipment.

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### **Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Store away from sources of heat. Do not store near strong oxidizing agents. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

### **Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Yellowish
<b>Odour:</b>	Oily/Lemon
<b>pH:</b>	Not applicable
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	Not determined
<b>Flash point:</b>	Combustible liquid
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Not soluble
<b>Relative density:</b>	0.9
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Incompatible with strong oxidizing agents.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-12-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** FUTURE STEP PRESPRAY

**Uses:** Carpet cleaning pre-spray.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Inorganic Salts	< 30	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with soap and water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.



## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

### **Special protective precautions and equipment for fire fighters**

Non flammable material. Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes and skin. Wash hands after handling. Keep container closed when not in use.

### **Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

### **Exposure controls:**

**Eye protection:** Wear safety glasses as good industrial practice.

**Hand protection:** Wear suitable gloves as good industrial practice.

**Respiratory protection:** Normal ventilation

**Engineering measures:** No special precautions required.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Odourless
<b>pH:</b>	7.5 – 8.0
<b>Boiling point/range:</b>	As for water
<b>Melting point/range:</b>	Not determined
<b>Flash point:</b>	Not combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Not soluble
<b>Relative density:</b>	1.04
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Not a likely source of entry or ill effect.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS & NOHSC:10005 (1999)

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** FUTURE STEP RINSE

**Uses:** Carpet rinse for synthetic carpets.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Soil release polymer	< 10	Non Hazardous
Food Acid	< 5	Non Hazardous
Preservative	< 0.1	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with soap and water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

### **Special protective precautions and equipment for fire fighters**

Non flammable material. Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes and skin. Wash hands after handling. Keep container closed when not in use.

### **Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

### **Exposure controls:**

**Eye protection:** Wear safety glasses as good industrial practice.

**Hand protection:** Wear suitable gloves as good industrial practice.

**Respiratory protection:** Normal ventilation

**Engineering measures:** No special precautions required

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Blue
<b>Odour:</b>	Odourless
<b>pH:</b>	3.5 – 5.5
<b>Boiling point/range:</b>	As for water
<b>Melting point/range:</b>	Not determined
<b>Flash point:</b>	Not combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Not soluble
<b>Relative density:</b>	1.0
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Not a likely source of entry or ill effect.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.



## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS & NOHSC:10005 (1999)

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Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

**1. PRODUCT & COMPANY IDENTIFICATION**

**Product Name:** FUTURE STEP SPOT & STAIN REMOVER

**Uses:** Carpet spotter for synthetic carpets.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

**2. HAZARDS IDENTIFICATION**

Non hazardous according to criteria of NOHSC/ASCC

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Identity	Percentage	CAS No.
Soil release polymer	< 10	Non Hazardous
Food Acid	< 1	Non Hazardous
Preservative	< 0.1	Non Hazardous
Water	> 70	7732-18-5

**4. FIRST AID MEASURES**

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with soap and water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

### **Special protective precautions and equipment for fire fighters**

Non flammable material. Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes and skin. Wash hands after handling. Keep container closed when not in use.

### **Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

### **Exposure controls:**

**Eye protection:** Wear safety glasses as good industrial practice.

**Hand protection:** Wear suitable gloves as good industrial practice.

**Respiratory protection:** Normal ventilation

**Engineering measures:** No special precautions required

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Blue
<b>Odour:</b>	Odourless
<b>pH:</b>	4.5 – 5.5
<b>Boiling point/range:</b>	As for water
<b>Melting point/range:</b>	Not determined
<b>Flash point:</b>	Not combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Not soluble
<b>Relative density:</b>	1.0
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Not a likely source of entry or ill effect.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS & NOHSC:10005 (1999)

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Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

**1. PRODUCT & COMPANY IDENTIFICATION**

**Product Name:** GEL SOLV

**Uses:** Thickened stripper for grease, paint, ink and gum removal.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

**Address:** PO Box 142 Artarmon NSW 1570

**ABN** 65 002 373 319 **ACN:** 002 373 319

**Telephone:** (02) 8868 6888 8am to 5pm Monday to Friday

**Fax Number:** (02) 9682 6855

**Poisons Information Centre Telephone:** 13 1126

**2. HAZARDS IDENTIFICATION**

**Hazard Classification:** Classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

**Risk Phrase(s):** R36/38 Irritating to eyes and skin.  
R43 May cause sensitisation by skin contact.

**Safety Phrase(s):** S2 Keep out of reach of children.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28 After contact with skin, wash immediately with plenty of water.  
S37 Wear suitable gloves.

**3. COMPOSITION, INFORMATION ON INGREDIENTS**

Chemical Names	Proportion	CAS No
Terpene Hydrocarbons	< 50%	68956-56-9
N-Methyl-2-Pyrrolidone	< 20%	872-50-4
Non-ionic Surfactant	< 5%	Non Hazardous
Thickening Agent	< 1%	Non Hazardous
Anti-oxidant	< 1%	Non Hazardous
Glycol Ether	< 30%	Non Hazardous

**4. FIRST AID MEASURES**

**Swallowed:** Do NOT induce vomiting. Do NOT give an unconscious person anything to drink. Rinse mouth out with water, then give a glass of water to drink. If symptoms develop seek medical advice.

**NEVER** give anything by mouth to an unconscious person.

**Eye Exposure:** Rinse with plenty of water, including under the eyelids for 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Skin Exposure:** Wash affected area with water. Remove contaminated clothing and launder before reuse. If skin irritation persists, seek medical advice.

**Inhalation:** If inhaled, remove victim from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.

## **5. FIRE FIGHTING MEASURES**

**Hazchem Code:** None Allocated

**Thermal decomposition:** During fire oxides of nitrogen and carbon may be produced.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product will burn.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus and protective suit.

## **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Use personal protective equipment to ensure no eye or skin exposure.

Material can create slippery conditions.

**Environmental precautions:**

Do not allow spillage to enter drains, sewers or waterways. Mop up material or use absorbent material. If spillage enters waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid material to separate suitable containers for recovery or disposal.



## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling chemicals. Keep container tightly closed. Do not breathe vapours, mist or gas.

### Storage

Keep container closed when not in use. Store in cool, well-ventilated area..

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection;** If working in confined space or poor ventilation use appropriate respiratory protection.

**Engineering measures:** Use only in a well ventilated area. If handling large amounts a system of local and/or general exhaust is recommended.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Gelatinous Liquid
<b>Colour:</b>	Pale Yellow
<b>Odour:</b>	Orange
<b>pH:</b>	Not Applicable
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	Not determined
<b>Flash point:</b>	> 61°C
<b>Lower explosion limit:</b>	Not established
<b>Upper explosion limit:</b>	Not established
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Partly soluble
<b>Relative density:</b>	0.94
<b>Viscosity, dynamic:</b>	Not established
<b>Evaporation rate:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product may potentially react with various halogenated organic solvents, resulting in temperature and pressure increases. Heating above 60<sup>0</sup>C in the presence of aluminium can result in corrosion and generate flammable hydrogen gas.

**Materials to avoid:** As above.

**Polymerization:** Product will not polymerize.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is based on profiles of compositionally similar materials.

**Acute oral toxicity:** LD50 rat 1090-3320 mg/kg

**Acute dermal toxicity:** LD50 rat 1000-2950 mg/kg

## 12. ECOLOGICAL INFORMATION

### **Persistence and degradability**

Product is readily biodegradable. Materials pass OECD test for ready biodegradability.

## 13. DISPOSAL CONSIDERATIONS

**Disposal:** Dispose of in accordance with all local, state and federal regulations..

## 14. TRANSPORT INFORMATION

### **Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

### **Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

### **Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

## 15. REGULATORY INFORMATION

### **Label**

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** GLAZER

**Uses:** Floor sealer

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a preparation.

This product does not contain any substances presenting a health or environmental hazard.

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Skin Exposure:** Wash with water and soap as a precaution. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Thermal decomposition:** Thermal decomposition may yield acrylic monomers.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or gas.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses

**Hand protection:** Wear appropriate gloves.

**Respiratory protection:** If working in confined space or poor ventilation use appropriate respiratory protection.

**Engineering measures:** Use only in area provided with appropriate exhaust ventilation.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Polymer odour
<b>pH:</b>	8.0 – 9.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	22.6648 Pa at 20°C Water
<b>Relative vapour density:</b>	<1.0 Water
<b>Water solubility:</b>	Dilutable
<b>Relative density:</b>	1.03 – 1.04
<b>Viscosity, dynamic:</b>	15.000 mPa.s
<b>Evaporation rate:</b>	<1.00 Water
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** No special precautions.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is based on profiles of compositionally similar materials.

<b>Acute oral toxicity:</b>	LD50 rat > 5,000 mg/kg
<b>Acute dermal toxicity:</b>	LD50 rabbit > 5,000 mg/kg
<b>Skin irritation:</b>	rabbit May cause transient irritation.
<b>Eye irritation:</b>	rabbit No eye irritation.

## 12. ECOLOGICAL INFORMATION

There is no data available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate this material at a facility that complies with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:**08.08.2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

**Literature References:** Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08





MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** GRAFFITI GARD

**Uses:** Graffiti barrier for porous surfaces.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a preparation.

This product does not contain any substances presenting a health or environmental hazard.

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Skin Exposure:** Wash with water and soap as a precaution. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Thermal decomposition:** Thermal decomposition may yield acrylic monomers.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or gas.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** If working in confined space or poor ventilation use appropriate respiratory protection.

**Engineering measures:** Use only in area provided with appropriate exhaust ventilation.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Polymer odour
<b>pH:</b>	8.0 – 9.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	22.6648 Pa at 20°C Water
<b>Relative vapour density:</b>	<1.0 Water
<b>Water solubility:</b>	Dilutable
<b>Relative density:</b>	1.03 – 1.04
<b>Viscosity, dynamic:</b>	15.000 mPa.s
<b>Evaporation rate:</b>	<1.00 Water
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is based on profiles of compositionally similar materials.

<b>Acute oral toxicity:</b>	LD50 rat > 5,000 mg/kg
<b>Acute dermal toxicity:</b>	LD50 rabbit > 5,000 mg/kg
<b>Skin irritation:</b>	rabbit May cause transient irritation.
<b>Eye irritation:</b>	rabbit No eye irritation.

## 12. ECOLOGICAL INFORMATION

There is no data available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate this material at a facility that complies with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

### Hazchem Code:

None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08.08.2008

### Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre

<b>mg</b>	<b>Milligram</b>
<b>mg/24H</b>	<b>Milligrams per 24 hours</b>
<b>mg/kg</b>	<b>Milligrams per kilogram</b>
<b>mg/m<sup>3</sup></b>	<b>Milligrams per cubic metre</b>
<b>miscible</b>	<b>Liquids form one homogeneous liquid</b>
<b>ppm</b>	<b>Parts per million</b>
<b>wt</b>	<b>weight</b>

**Literature References:** Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** GREASE RELEASE

**Uses:** Solvent based grease, oil and paint remover.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

**Address:** PO Box 142 Artarmon NSW 1570

**ABN:** 65 002 373 319 **ACN:** 002 373 319

**Telephone:** (02) 8868 6888 8am to 5pm Monday to Friday

**Fax Number:** (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

## 2. HAZARDS IDENTIFICATION

**Hazardous according to criteria of NOHSC/ASCC**

**Risk Classification:** Xn; Harmful

N; Harmful to the environment

### Risk Phrases

- R40 Possible risk of irreversible effects. Carcinogen category 3.  
R23 Toxic by inhalation.  
R20/21 Harmful by inhalation and contact with skin.  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R51 Toxic to aquatic organisms.  
R53 May cause long term effects in the aquatic environment.  
R61 May cause harm to the unborn child.  
R65 May cause lung damage if swallowed.

### Safety Phrases

- S1/2 Keep locked up and out of reach of children.  
S23 Do not breathe vapour.  
S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37 Wear suitable protective clothing.  
S46 If swallowed, seek medical advice immediately and show this MSDS or product label whenever possible.  
S61 Avoid release to the environment.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Xylene	< 60	95-47-6
2-Butoxyethanol	< 15	111-76-2
Non ionic Surfactant Blend	< 10	Non Hazardous
Perchloroethylene	< 15	127-18-4
Ethanol	< 15	64-17-5
White Spirits	< 15	64742-82-1

### 4. FIRST AID MEASURES

**Swallowed:** Give 1 or 2 glasses of water to drink. Do not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. Seek medical attention.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air – avoid becoming a casualty. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

#### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

### 5. FIRE FIGHTING MEASURES

**Hazchem Code:** 3[Y]

#### Special protective precautions and equipment for fire fighters

Fire fighters should wear full protective equipment including self-contained breathing apparatus. Use water spray to cool fire exposed surface and to protect personnel. If leak or spill has not ignited, use water spray to disperse the vapours and protect men attempting to stop leak. Use foam or dry chemical to extinguish fire. Avoid spraying water directly into storage containers due to the dangers of boilover.

#### Hazards from Combustion Products

Flammable liquid. Liquid can release vapours that can readily form flammable mixtures at temperatures above the flash point. Product can accumulate static charges which can cause an

incendiary discharge. Toxic vapours and gases such as hydrogen chloride, phosgene, chlorine gas and carbon monoxide are generated when this product is involved in a fire.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions:**

Use personal protective equipment.  
Keep people away from and upwind of spill/leak.  
Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).  
Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## **7. HANDLING & STORAGE**

### **Handling:**

Ensure that eye bath is available and ready for use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes. Observe good hygiene practices and recommended procedures. Wash hands thoroughly after use, especially before eating or smoking.

### **Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed and locked up when not in use. Store away from sources of ignition and materials such strong oxidizing agents. Do not store near food stuffs.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure limit(s):** There is no exposure data for this product. The Exposure Standards for:

2- Butoxy ethanol cas no: 111-76-2;

TWA: 20ppm (96.9mg/m<sup>3</sup>) STEL: 50ppm (242mg/m<sup>3</sup>)

Tetrachloro ethylene cas no. 127-18-4

TWA: 50ppm (340mg/ m<sup>3</sup>) STEL: 150ppm (1020mg/m<sup>3</sup>)

Xylene cas no. 1330-20-7/100-41-4

TWA: 80ppm (350mg/ m<sup>3</sup>) STEL: 150ppm (655mg/m<sup>3</sup>)

White Spirits Un. No. 1300

TWA: 70ppm (350mg/ m<sup>3</sup>) STEL: 150ppm (655mg/m<sup>3</sup>)

Absorption through skin may be a significant source of exposure.



**Exposure controls:**

**Eye protection:** Wear safety glasses with side-shields.

**Hand protection:** Wear impervious gloves such as nitrile rubber.

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**Engineering measures:** Use only in a well ventilated area. If handling large amounts a system of local and/or general exhaust is recommended.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Solvent
<b>pH:</b>	Not Applicable
<b>Boiling point/range:</b>	Not established
<b>Melting point/range:</b>	Not applicable
<b>Flash point:</b>	19- 30°C
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	0.895
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** Oxidizing agents, halogens and strong acids.

**Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Toxicity Data

This product is classified as harmful if swallowed. May be harmful by inhalation.

### Health Effects – Acute

#### Swallowed

Harmful if swallowed. Ingestion may cause irritation of mucous membranes in mouth, pharynx, oesophagus and gastro-intestinal tracts. Symptoms include nausea, headache, vomiting, ataxia (impaired locomotor co-ordination), acidosis, drowsiness, Agitation, insomnia, changes in the blood picture, pulmonary oedema and damage to the liver and kidneys.

#### Eye

Causes eye irritation.

#### Skin

Irritating to skin. Danger of skin absorption. De-fatting of skin can cause drying, cracking and dermatitis.

#### Inhaled

Inhalation causes irritation to the mucus membranes, coughing and dyspnoea. Chronic exposure causes damage to blood cells and blood in urine. Vapour concentration above exposure limits (TWA) may cause headaches, drowsiness and dizziness, could be anaesthetic and may have other central nervous system effects.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**UN Number:** 1268

**UN Proper Shipping Name:** PETROLEUM PRODUCTS N.O.S.

**Class & Subsidiary Risk:** DG Class 3

**Packing Group:** III

**Special Precautions for User:** Avoid storage or contact with strong oxidising or reducing agents.

**Hazchem Code:** 3[Y]

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** 6

**EPG** PETROLEUM PRODUCTS N.O.S.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08.08.2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.

<b>OECD</b>	<b>Organisation for Economic Co-operation and Development.</b>
<b>PEL</b>	<b>Permissible Exposure Limit.</b>
<b>STEL</b>	<b>Short Term Exposure Limit</b>
<b>TLV</b>	<b>Threshold Limit Value</b>
<b>TWA</b>	<b>Time Weighted Average</b>
<b>UN</b>	<b>United Nations (Number)</b>
<b>deg C (°C)</b>	<b>Degrees Celsius</b>
<b>g</b>	<b>Gram</b>
<b>g/cm<sup>3</sup></b>	<b>Grams per cubic centimetre</b>
<b>g/l</b>	<b>Grams per litre</b>
<b>Immiscible</b>	<b>Liquids are insoluble in each other</b>
<b>kg</b>	<b>Kilogram</b>
<b>kg/m<sup>3</sup></b>	<b>Kilograms per cubic metre</b>
<b>ltr</b>	<b>Litre</b>
<b>m<sup>3</sup></b>	<b>Cubic metre</b>
<b>mg</b>	<b>Milligram</b>
<b>mg/24H</b>	<b>Milligrams per 24 hours</b>
<b>mg/kg</b>	<b>Milligrams per kilogram</b>
<b>mg/m<sup>3</sup></b>	<b>Milligrams per cubic metre</b>
<b>miscible</b>	<b>Liquids form one homogeneous liquid</b>
<b>ppm</b>	<b>Parts per million</b>
<b>wt</b>	<b>Weight</b>

#### **Literature References: Supplies MSDS**

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Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

**SECTION 1. PRODUCT & COMPANY IDENTIFICATION**

**Product Name:** GREEN STRIP

**Uses:** Thickened stripper for water based paints and floor sealers.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

**Address:** PO Box 142 Artarmon NSW 1570

**ABN:** 65 002 373 319 **ACN:** 002 373 319

**Telephone:** (02) 8868 6888 **8am to 5pm Monday to Friday**

**Fax Number:** (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

**2. HAZARDS IDENTIFICATION**

**Hazard Classification:** Classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

**Risk Phrase(s):** R36/37/38 Irritating to eyes, respiratory system and skin.

**Safety Phrase(s):** S23 Do not breathe gas/fumes/vapour/spray

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, impervious gloves and eye/face protection.

**3. COMPOSITION, INFORMATION ON INGREDIENTS**

<b>Chemical Names</b>	<b>Proportion</b>	<b>CAS No</b>
Monoethanolamine	< 12%	141-43-5
2-Butoxyethanol	< 20%	111-76-2
Non-ionic Surfactant	< 5%	Non Hazardous
Thickening Agent	< 1%	Non Hazardous
Water	> 60%	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Do NOT induce vomiting. Do NOT give an unconscious person anything to drink. Rinse mouth out with water then give a glass of water to drink. If symptoms develop seek medical advice.

**NEVER** give anything by mouth to an unconscious person.

**Eye Exposure:** Rinse with plenty of water, including under the eyelids for 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Skin Exposure:** Wash affected area with water. Remove contaminated clothing and launder before reuse. If skin irritation persists, seek medical advice.

**Inhalation:** If inhaled, remove victim from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Thermal decomposition:** During fire oxides of nitrogen and carbon may be produced.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus and protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment to ensure no eye or skin exposure. Material can create slippery conditions.

**Environmental precautions:**

Do not allow spillage to enter drains, sewers or waterways. Mop up material or use absorbent material. If spillage enters waterways contact the Environmental Protection Authority, or the local Waste Management Authority.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling chemicals. Keep container tightly closed. Do not breathe vapours, mist or gas.

### Storage

Keep container closed when not in use. Store in cool, well-ventilated area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

The information available is for the two hazardous components. 2-butoxyethanol CAS No. 111-76-2

**Exposure limit(s):** Exposure limits are listed below:

	STEL (mgm <sup>3</sup> )	STEL (ppm)	TWA (mgm <sup>3</sup> )	TWA (ppm)
2-Butoxyethanol	50	242	96.9	20
Monoethanolamine	15	6	7.5	3

**Biological Limit Value:** No biological limit allocated for chemical components.

### Exposure controls:

**Eye protection:** Wear safety glasses. Eye protection should conform to Australian/New Zealand Standards AS/NZS 1337 – Eye Protection For Industrial Applications.

**Hand protection:** Wear gloves of impervious material.

**Respiratory protection:** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used for protection against airborne contamination. Reference should be made to Australian Standards AS/NZ 1715, Selection

**Engineering measures:** Use only in a well ventilated area. If handling large amounts a system of local and/or general exhaust is recommended.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Clear
<b>Odour:</b>	Mild
<b>pH:</b>	11.5 – 12.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	> 100°C
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	<1.0 Water
<b>Water solubility:</b>	Soluble in all proportions
<b>Relative density:</b>	1.002 – 1.004
<b>Viscosity, dynamic:</b>	Not established
<b>Evaporation rate:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product may potentially react with various halogenated organic solvents, resulting in temperature and pressure increases. Heating above 60°C in the presence of aluminium can result in corrosion and generate flammable hydrogen gas.

**Materials to avoid:** Do not store in aluminium containers.

**Polymerization:** Product will not undergo dangerous polymerize.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is based on profiles of compositionally similar materials.

<b>Acute oral toxicity:</b>	LD50 rat 1090-3320 mg/kg
<b>Acute dermal toxicity:</b>	LD50 rat 1000-2950 mg/kg

## 12. ECOLOGICAL INFORMATION

### **Persistence and degradability**

Product is readily biodegradable. Materials pass OECD test for ready biodegradability.



## 13. DISPOSAL CONSIDERATIONS

**Disposal:** Dispose of in accordance with all local, state and federal regulations..

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08.08.2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram

<b>g/cm<sup>3</sup></b>	<b>Grams per cubic centimetre</b>
<b>g/l</b>	<b>Grams per litre</b>
<b>Immiscible</b>	<b>Liquids are insoluble in each other</b>
<b>kg</b>	<b>Kilogram</b>
<b>kg/m<sup>3</sup></b>	<b>Kilograms per cubic metre</b>
<b>ltr</b>	<b>Litre</b>
<b>m<sup>3</sup></b>	<b>Cubic metre</b>
<b>mg</b>	<b>Milligram</b>
<b>mg/24H</b>	<b>Milligrams per 24 hours</b>
<b>mg/kg</b>	<b>Milligrams per kilogram</b>
<b>mg/m<sup>3</sup></b>	<b>Milligrams per cubic metre</b>
<b>miscible</b>	<b>Liquids form one homogeneous liquid</b>
<b>ppm</b>	<b>Parts per million</b>
<b>wt</b>	<b>weight</b>

#### Literature References: Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** HALO FAST DRY

**Uses:** Streak free, no smear glass cleaner.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Isopropyl Alcohol	< 10	64-17-5
2-Butoxyethanol	< 7	111-76-2
Anionic Surfactant	< 1	Non Hazardous
Fragrance	< 1	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with soap and water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

### Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective equipment.

Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Store away from sources of heat. Do not store near strong oxidizing agents. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Floral/Powdery
<b>pH:</b>	6.5 – 7.5
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	Not determined
<b>Flash point:</b>	Not determined
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Not soluble
<b>Relative density:</b>	0.97
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.08

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

**Literature References:** Supplies MSDS

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Version	7.1
Revision date:	08.08.08
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** JAX

**Uses:** Scouring detergent cleaner.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of NOHSC

**Xi;** Irritant

### Risk Phrases

R36/37/38 Irritating to eyes, respiratory system and skin.

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

S36/37 Wear suitable protective clothing.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Silicon Dioxide	> 70	1408-60-7
Calcium Carbonate	< 20	471-34-1
Sodium Perborate	< 5	15630-89-4
Sodium Carbonate	< 10	497-19-8
Anionic Surfactant	< 5	Non Hazardous



## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Wash affected area with plenty of water. If skin irritation persists seek medical advice.

### **Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Avoid contact with eyes.

Do not create or breathe dust.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Collect material into a suitable container.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes.

Do not create or breathe dust

### **Conditions for safe storage**

Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory Protection:** Wear dust mask.

**Engineering measures:** No special precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Granular solid
<b>Colour:</b>	Off white
<b>Odour:</b>	Odourless
<b>pH:</b>	9.0 – 10.0 for 1% solution
<b>Boiling point/range:</b>	Not established
<b>Melting point/range:</b>	Not established
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Mostly insoluble
<b>Relative density:</b>	Not determined
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** No special precautions.

**Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system.

#### Eye

May cause eye irritation.

#### Skin

May be irritating to skin with prolonged contact.

#### Inhaled

Considered as an unlikely route of entry. Inhalation of dust into lungs would be harmful.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

**Literature References:** Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** KONGCRETE

**Uses:** Solvent/emulsifier degreaser for cleaning of oil/grease off concrete.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Non hazardous according to criteria of NOHSC/ASCC**

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Methyl Ester	> 85	Non Hazardous
Non-ionic Surfactant Blend	< 15	Non Hazardous
Fragrance	< 1	Non Hazardous

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with soap and water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### **Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Store away from sources of heat. Do not store near strong oxidizing agents. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

### **Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Brown
<b>Odour:</b>	Sweet
<b>pH:</b>	Not applicable
<b>Boiling point/range:</b>	> 250°C
<b>Melting point/range:</b>	Not determined
<b>Flash point:</b>	Combustible liquid
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Not soluble
<b>Relative density:</b>	0.84
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Strong oxidizing agents.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.



## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	1.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** LIQUID GOLD

**Uses:** Streak free, no smear glass cleaner concentrate.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Phosphate Salt	<10	Non Hazardous
Anionic surfactant	< 5	Non Hazardous
2-(Butoxyethoxy)ethanol	< 20	112-34-5
2-Butoxyethanol	< 1	111-76-2
Phosphate ester	< 1	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## **5. FIRE FIGHTING MEASURES**

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## **7. HANDLING & STORAGE**

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Mild
<b>pH:</b>	5.0 – 7.0
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.02
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** MARBLETECH

**Uses:** Floor sealer

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Emergency: 1800 801 919

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

**Safety Phrases**

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a preparation.

This product does not contain any substances presenting a health or environmental hazard.

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Skin Exposure:** Wash with water and soap as a precaution. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Thermal decomposition:** Thermal decomposition may yield acrylic monomers.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or gas.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves

**Respiratory protection:** If working in confined space or poor ventilation use appropriate respiratory protection.

**Engineering measures:** Use only in area provided with appropriate exhaust ventilation.



## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Polymer odour
<b>pH:</b>	9.2 – 9.7
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	22.6648 Pa at 20°C Water
<b>Relative vapour density:</b>	<1.0 Water
<b>Water solubility:</b>	Dilutable
<b>Relative density:</b>	1.03 – 1.04
<b>Viscosity, dynamic:</b>	15.000 mPa.s
<b>Evaporation rate:</b>	<1.00 Water
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** No special precautions.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is based on profiles of compositionally similar materials.

<b>Acute oral toxicity:</b>	LD50 rat > 5,000 mg/kg
<b>Acute dermal toxicity:</b>	LD50 rabbit > 5,000 mg/kg
<b>Skin irritation:</b>	rabbit May cause transient irritation.
<b>Eye irritation:</b>	rabbit No eye irritation.

## 12. ECOLOGICAL INFORMATION

There is no data available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate this material at a facility that complies with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:**08/08/2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value

TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

**Literature References:** Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

**1. PRODUCT & COMPANY IDENTIFICATION**

**Product Name:** MELTDOWN

**Uses:** Stripper to remove old or dirty sealers and polishes from floors and hard surfaces.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

**Address:** PO Box 142 Artarmon NSW 1570

**ABN** 65 002 373 319 **ACN:** 002 373 319

**Telephone:** (02) 8868 6888 8am to 5pm Monday to Friday

**Fax Number:** (02) 9682 6855

**Poisons Information Centre Telephone:** 13 1126

**2. HAZARDS IDENTIFICATION**

**Hazardous according to criteria of NOHSC (WorkSafe)**

**Hazard Classification:** Xn; Harmful  
Xi; Irritant

**Risk Phrases**

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R36/37/38 Irritating to eyes, respiratory system and skin.

**Safety Phrases**

S1/2 Keep locked up and out of reach of children.  
S24/25 Avoid contact with skin and eyes.  
S36/37 Wear suitable protective clothing.  
S46 If swallowed, seek medical advice immediately and show this MSDS or product label.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Identity	Percentage	CAS No.
Morpholine	< 6	110-91-8
2-Butoxyethanol	< 25	111-76-2
Non ionic Surfactant	< 2	Non Hazardous
Potassium Hydroxide	< 2	1310-73-2
Ammonium Hydroxide	< 1	1336-21-6
Colour	Trace	Non Hazardous
Water	> 65	7732-18-5

**4. FIRST AID MEASURES**

**Swallowed:** Give 1 or 2 glasses of water to drink. Do Not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. Seek medical attention.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air – avoid becoming a casualty. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

**5. FIRE FIGHTING MEASURES**

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Use personal protective equipment.  
Keep people away from and upwind of spill/leak.  
Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).  
Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

**7. HANDLING & STORAGE**

**Handling:**

Ensure that eye bath is available and ready for use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure limit(s):** There is no exposure data for this product. The Exposure Standards for 2-Butoxyethanol CAS No: 111-76-2; TWA: 20ppm (96.9mg/m<sup>3</sup>) STEL: 50ppm (242mg/m<sup>3</sup>). Absorption through skin may be a significant source of exposure.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear impervious gloves such as nitrile rubber.

**Respiratory protection:** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used for protection against airborne contamination. Reference should be made to Australian Standards AS/NZ 1715, Selection

**Engineering measures:** Use only in a well ventilated area. If handling large amounts a system of local and/or general exhaust is recommended.

**9. PHYSICAL & CHEMICAL PROPERTIES**

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Reddish-Pink
<b>Odour:</b>	Sweet fruity odour
<b>pH:</b>	11.0 – 11.3
<b>Boiling point/range:</b>	100-171°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01 – 1.02
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Do not store in aluminium containers.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is for ethylene glycol mono butyl ether which is present at less than 25%.

### Toxicity Data

Oral LD50 Rat: 470mg/Kg. Skin LD50 Rabbit: 220mg/Kg. Inhaled LC50 Rat: 2211mg/m<sup>3</sup> (4hr).  
Skin Irritation Rabbit: Slight irritation. Eye Irritation: Irritation.

Note: No studies are available on the effects of long term exposure in humans. Studies indicate that repeated exposure causes blood, liver and kidney disorders in animals. Deaths in acute studies were generally caused by narcosis or respiratory failure, with kidney failure seen as a secondary cause.

The main toxic effect observed in acute and repeated dose animal studies is haemolysis. The effect varies between species with rats and mice the most susceptible, rabbits less susceptible and guinea-pigs and humans least susceptible. Changes in kidney, liver, spleen and lungs were found in animals exposed by ingestion, inhalation and skin absorption. Deaths usually result from CNS depression, lung damage and kidney injury.

### Health Effects – Acute

#### Swallowed

May be harmful if swallowed. Ingestion may cause irritation of mucous membranes in mouth, pharynx, oesophagus and gastro-intestinal tracts. Symptoms include nausea, headache, vomiting, ataxia (impaired locomotor co-ordination), acidosis, drowsiness, Agitation, insomnia, changes in the blood picture, pulmonary oedema and damage to the liver and kidneys.

#### Eye

Causes eye irritation.

#### Skin

Irritating to skin. Danger of skin absorption.

#### Inhaled

Inhalation causes irritation to the mucus membranes, coughing and dyspnoea. Chronic exposure causes damage to blood cells and blood in urine.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.



## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** MYSTIC

**Uses:** All purpose detergent.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Classified as non-hazardous according to criteria of NOHSC**

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Anionic Surfactant	< 20	Non Hazardous
Sequestering Agent	< 5	Non Hazardous
Phosphate Salt	< 10	Non Hazardous
Fragrance	< 1	Non Hazardous
Preservative	< 0.1	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 60	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### **Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes.

### **Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

### **Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear impervious gloves.

**Engineering measures:** No special precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Reddish/Pink
<b>Odour:</b>	Sweet
<b>pH:</b>	9.0 - 9.5
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.03
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system.

#### Eye

May cause eye irritation.

#### Skin

May be irritating to skin with prolonged contact.

#### Inhaled

Not a likely health issue. Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
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LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
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OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

**Literature References:** Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** NEUTRACLEAN

**Uses:** Low foam and neutralising floor cleaner.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Vegetable Fatty Acid	<10	Non Hazardous
Non-ionic surfactant	< 20	Non Hazardous
Pine Oil	< 1	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area



## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky White
<b>Odour:</b>	Eucalyptus/Lemon
<b>pH:</b>	4.0 – 5.0
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** NEUTRO

**Uses:** Neutralising residual alkalinity for stone, ceramics and resilient floors.  
Also for removal of efflorescence and rust stains.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Food acid	<15	Non Hazardous
Sequestering agent	< 1	Non Hazardous
Perfume	< 1	Non Hazardous
Non-ionic surfactant	< 5	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### **Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

### **Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Light Blue
<b>Odour:</b>	Eucalyptus/Lemon
<b>pH:</b>	1.0 – 2.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.0
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Avoid strong oxidizing agents.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 07-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

**Literature References:** Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08





MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** ODABAN E

**Uses:** Odour absorber concentrate with residual spicy fragrance.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Quaternary Ammonium Compound	< 5	7732-18-5
Non-ionic surfactant	< 10	Non Hazardous
Triethylene Glycol	< 10	Non Hazardous
Ethanol	< 1	64-17-5
Perfume	< 3	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

**5. FIRE FIGHTING MEASURES**

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

**7. HANDLING & STORAGE****Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Brown
<b>Odour:</b>	Spicy Sweet
<b>pH:</b>	6.0 – 7.0
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08/08/2008
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

**1. PRODUCT & COMPANY IDENTIFICATION**

**Product Name:** ODABAN

**Uses:** Odour absorber concentrate.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

**2. HAZARDS IDENTIFICATION**

**Non hazardous according to criteria of NOHSC/ASCC**

**Safety Phrases**

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Identity	Percentage	CAS No.
Non-ionic surfactant	< 10	Non Hazardous
Ethanol	< 1	64-17-5
Perfume	< 3	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 70	7732-18-5

**4. FIRST AID MEASURES**

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Brown
<b>Odour:</b>	Spicy Sweet
<b>pH:</b>	6.0 – 7.0
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.



## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08/08/2008
Print date:	23/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** OVEN & GRILL CLEANER

**Uses:** Alkaline cleaner for hot plates, ovens and grills.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

**Address:** PO Box 142 Artarmon NSW 1570

**ABN** 65 002 373 319 **ACN:** 002 373 319

**Telephone:** (02) 8868 6888

**Fax Number:** (02) 9682 6855

**Poisons Information Centre Telephone:** 13 1126

## 2. HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of NOHSC**

**Dangerous According to the Australian Code for the Transport of Dangerous Goods**

**Risk Classification:** C; Corrosive.

**Risk Phrases:**  
R35: Causes severe burns.  
R22: Harmful if swallowed.  
R41: Risk of serious eye damage.

**Safety Phrases**

S1/2 Keep locked up and out of reach of children.  
S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse with plenty of water and seek medical advice.  
S37/39 Wear suitable gloves and eye/face protection  
S45 In case of accident or you feel unwell, seek medical advice immediately (show label or this MSDS whenever possible).  
S46 If swallowed seek medical advice immediately (show label or this MSDS whenever possible).

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Potassium Hydroxide	< 35	1310-58-3
Sodium Metasilcate	< 5	6834-92-0
Sequestering Agent	< 5	Non Hazardous
Surfactant	< 10	Non Hazardous
Phosphate Salt	< 5	111-76-2
Processing Aid	< 1	Non Hazardous
Water	> 40	7732-18-5

### 4. FIRST AID MEASURES

**Swallowed:** Prevent patient from vomiting. If patient is unconscious, or not able to swallow, Do Not give anything by mouth to eat/drink, lay patients head to one side. If patient is conscious give water or milk to drink immediately. If vomiting occurs naturally, keep head lower than hips to prevent aspiration. Seek medical attention immediately.

**Eye Exposure:** Immediately flush eyes with plenty of water, 15 to 20 minutes, holding eyelids open. Seek medical attention immediately.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water for 15 minutes. If burns occur seek medical attention immediately launder clothing before reuse.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

#### Advice to Doctor

No antidote is available. If inhaled, apply oxygen. If swallowed, endoscopy of the esophagus must be considered. The patient must be functionally treated according to symptoms.

### 5. FIRE FIGHTING MEASURES

**Hazchem Code:** 2R

#### Extinguishing Media

In case of fire, use appropriate media for surrounding fire.

Product is water based and is unlikely to play a contributing role in any fire. Heated product may splatter.

#### Special protective precautions and equipment for fire fighters

Fire fighters should wear self contained breathing apparatus and full protective clothing along with protective equipment.

#### Hazards from Combustion Products

No data available.

#### Flammability Conditions

Product is not flammable.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment including impervious gloves and eye protection.

Spilt material creates slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes and skin. Ensure eyewash and safety shower are available and ready for use.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use. Do not store next to strong oxidizing agents or strong acids.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

For Potassium Hydroxide TLV =  $2\text{mg}/\text{m}^3$  – Ceiling Value

**Eye protection:** Wear safety glasses. Eye protection should conform to Australian/New Zealand Standards AS/NZS 1337 – Eye Protection For Industrial Applications.

**Hand protection:** Wear impervious gloves.

**Engineering measures:** Use only in well ventilated area.

**Biological Limit Values:** Not available

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Light Yellow Brown
<b>Odour:</b>	Mild, slightly sweet
<b>pH:</b>	Approximately 14
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	Not determined
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.23
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature. Do not store in metal containers especially aluminium.
<b>Materials to avoid:</b>	Avoid contact with strong acids and strong oxidising agents. Do not contact with aluminium. Other metals to avoid are tin and zinc. Incompatible with perchlorates, peroxides, permanganates, chlorates, nitrates, chlorine, bromine and fluorine.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material

### Toxicity Data: For Potassium Hydroxide

Oral Rat LD50: 273mk/kg. Corrosive agent: Inhalation, the skin, the eyes and swallowed.  
Degree of Acute Toxicity: If swallowed, it is poisonous.

**Health Effects – Acute**

**Swallowed**

If swallowed product will cause severe pain in the oral cavity and the oesophagus, vomiting and diarrhoea. The vomit will contain blood and substances from the insides of a mucous membrane. If patient does not die within 24 hours, he/she will recover for 2 – 4 days, then suffer from sudden pains, abnormal tetany of stomach and rapid fall of blood pressure indicating oesophagus perforation. In case of Esophagostenosis, its early symptoms appear within a few weeks but may appear a few years later.

**Eye**

Product will cause conjunctival oedema and corneal destruction. Causes burns and severe eye damage.

**Skin**

Product causes severe burns to skin.

**Inhaled**

Inhalation of mist causes burns to the respiratory tracts. In case of severe exposure, pneumonia, circulatory disturbance and peritonitis may arise.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

**Additional information**

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

**13. DISPOSAL CONSIDERATIONS**

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Australian Code For Transport of Dangerous Goods by ROAD and RAIL

U.N. Number: 1719

U.N. Proper Shipping Name: CAUSTIC ALKALI LIQUID N.O.S.

Subsidiary Risk: N/A

Packaging Group: III

Hazchem Code: 2R

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** S6

**EPG** : CAUSTIC ALKALI N.O.S.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08/08/2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average



UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

#### Literature References: Supplies MSDS

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Version	7.1
Revision date:	08/08/2008
Print date:	22/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** POWER GEL

**Uses:** Thickened bleach for hard surface stain removal.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

**Address:** PO Box 142 Artarmon NSW 1570

**ABN** 65 002 373 319 **ACN:** 002 373 319

**Telephone:** (02) 8868 6888 8am to 5pm Monday to Friday

**Fax Number:** (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

## 2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of NOHSC

**Dangerous According to the Australian Code for the Transport of Dangerous Goods**

**Risk Classification:** C; Corrosive.

### Risk Phrases:

R35: Causes severe burns.

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R31: Contact with acids liberates toxic gas.

R41: Risk of serious damage to eyes.

### Safety Phrases

S1/2 Keep locked up and out of reach of children.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

S45 In case of accident or you feel unwell, seek medical advice immediately (show label or this MSDS whenever possible).

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Potassium Hydroxide	< 10	1310-58-3
Sodium Hypochlorite	< 10	7681-52-9
Surfactant Blend	< 5	Non Hazardous
Water	< 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Immediately rinse mouth with water. Prevent patient from vomiting. If patient is unconscious, or not able to swallow, Do Not give anything by mouth to eat/drink, lay patients head to one side. If patient is conscious give water or milk to drink immediately. If vomiting occurs naturally, keep head lower than hips to prevent aspiration. Seek medical attention immediately.

**Eye Exposure:** Immediately flush eyes with plenty of water, remove contact lenses appropriate. Flush for 15 to 20 minutes, holding eyelids open. Seek medical attention immediately.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water for 15 minutes. If burns occur seek medical attention immediately Launder clothing before reuse.

**Inhalation:** Remove victim from exposure to fresh air - avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical attention.

### **Advice to Doctor**

No antidote is available. If inhaled, apply oxygen. If swallowed, endoscopy of the esophagus must be considered. The patient must be functionally treated according to symptoms.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** 2X

### **Extinguishing Media**

In case of fire, use appropriate media for surrounding fire.

Product is water based and is unlikely to play a contributing role in any fire. Heated product can decompose liberating toxic fumes of chlorine gas.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should wear self contained breathing apparatus and full protective clothing along with protective equipment.

### **Hazards from Combustion Products**

No data available.

### **Flammability Conditions**

Product is not flammable.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment including impervious gloves and eye protection.

Spilt material creates slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes and skin. Ensure eyewash and safety shower are available and ready for use.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use. Do not store next to acids.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

For Potassium Hydroxide TLV =  $2\text{mg}/\text{m}^3$  – Ceiling Value

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear impervious gloves.

**Engineering measures:** Use only in well ventilated area.

**Biological Limit Values:** Not available

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Pale Yellow
<b>Odour:</b>	Alpine
<b>pH:</b>	Approximately 14
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	Not determined
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.20
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature. Do not store in metal containers especially aluminium. Oxidising agents. Reacts vigorously with acids producing toxic chlorine gas. Contamination of product and exposure to light and heat will accelerate decomposition. Incompatible with most metals. Will react with peroxide, metal salts and reducing agents..
<b>Materials to avoid:</b>	Avoid contact with acids and reducing agents. Do not contact with aluminium. Other metals to avoid are tin and zinc. Incompatible with perchlorates, peroxides, permanganates, chlorates, nitrates, chlorine, bromine and fluorine.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material

### Toxicity Data: For Potassium Hydroxide

Oral Rat LD50: 273mk/kg. Corrosive agent: Inhalation, the skin, the eyes and swallowed.  
Degree of Acute Toxicity: If swallowed, it is poisonous.

### Toxicity Data: For Sodium Hypochlorite

No value assigned for this specific material by the NOHSC.

However, Exposure standard for decomposition product:

	TWA	STEL
Chlorine	1 ppm (3mg/m <sup>3</sup> )	Peak Limitation

As published by the National Occupational Health and Safety Commission (WorkSafe Australia). Peak Limitation – a ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

### Health Effects – Acute

#### Swallowed

If swallowed product will cause severe pain in the oral cavity and the oesophagus, vomiting and diarrhoea. The vomit will contain blood and substances from the insides of a mucous membrane. If patient does not die within 24 hours, he/she will recover for 2 – 4 days, then suffer from sudden pains, abnormal tetany of stomach and rapid fall of blood pressure indicating oesophagus perforation. In case of Esophagostenosis, its early symptoms appear early within a few weeks or within a few months.

#### Eye

Product will cause conjunctival oedema and corneal destruction. Causes burns and severe eye damage.

#### Skin

Product causes burns to skin.

#### Inhaled

Inhalation of mist causes burns to the respiratory tracts. In case of severe exposure, pneumonia, circulatory disturbance and peritonitis may arise.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Australian Code For Transport of Dangerous Goods by ROAD and RAIL**

**U.N. Number:** 3093

**U.N. Proper Shipping Name:** CORROSIVE LIQUID, OXIDIZING N.O.S.

**Subsidiary Risk:** N/A

**Packaging Group:** III

**Hazchem Code:** 2X

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** S6

**EPG :** CORROSIVE LIQUID, OXIDIZING N.O.S.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08/08/2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08/08/2008
Print date:	25/09/08





MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** POWER PLUS

**Uses:** Stain remover for carpet cleaning.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Emergency: 1800 801 919

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of NOHSC

**Xi;** Irritant

### Risk Phrases

R36/38 Irritating to eyes and skin.

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

S37 Wear suitable gloves.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Processing Aid	< 40	Non Hazardous
Sodium Metasilicate	> 5	6834-92-0
Sodium Carbonate Peroxyhydrate	< 50	15630-89-4
Phosphate Salt	< 20	Non Hazardous
Non-ionic Surfactant	< 5	Non Hazardous

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Wash affected area with plenty of water. If skin irritation persists seek medical advice..

### **Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is a non combustible solid and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Avoid contact with eyes.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Collect material into a suitable container.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes.

### **Conditions for safe storage**

Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

### **Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear impervious gloves.

**Engineering measures:** No special precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Granular solid
<b>Colour:</b>	White
<b>Odour:</b>	Lemon
<b>pH:</b>	11.0 for 1% solution
<b>Boiling point/range:</b>	Not established
<b>Melting point/range:</b>	Not established
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Soluble
<b>Relative density:</b>	Not determined
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system.

#### Eye

May cause eye irritation.

#### Skin

May be irritating to skin with prolonged contact.

#### Inhaled

Not a likely health issue.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08/08/2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	23/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** PUNCH

**Uses:** Cleaner for ceramic tiles, quarry pavers and concrete floors.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

**Address:** PO Box 142 Artarmon NSW 1570

**ABN** 65 002 373 319 **ACN:** 002 373 319

**Telephone:** (02) 8868 6888 8am to 5pm Monday to Friday

**Fax Number:** (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

## 2. HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of NOHSC**

**Dangerous According to the Australian Code for the Transport of Dangerous Goods**

**Risk Classification:** C; Corrosive.

**Risk Phrases:** R35: Causes severe burns.

R22: Harmful if swallowed.

### Safety Phrases

S1/2 Keep locked up and out of reach of children.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse with plenty of water and seek medical advice.

S37/39 Wear suitable gloves and eye/face protection

S45 In case of accident or you feel unwell, seek medical advice immediately (show label or this MSDS whenever possible).

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Potassium Hydroxide	< 25	1310-58-3
Sodium Metasilcate	< 10	6834-92-0
Sequestering Agent	> 10	Non Hazardous
Surfactant	< 5	Non Hazardous

## 4. FIRST AID MEASURES

**Swallowed:** Prevent patient from vomiting. If patient is unconscious, or not able to swallow, Do Not give anything by mouth to eat/drink, lay patients head to one side. If patient is conscious give water or milk to drink immediately. If vomiting occurs naturally, keep head lower than hips to prevent aspiration. Seek medical attention immediately.

**Eye Exposure:** Immediately flush eyes with plenty of water, 15 to 20 minutes, holding eyelids open. Seek medical attention immediately.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water for 15 minutes. If burns occur seek medical attention immediately launder clothing before reuse.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

No antidote is available. If inhaled, apply oxygen. If swallowed, endoscopy of the esophagus must be considered. The patient must be functionally treated according to symptoms.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** 2R

### Extinguishing Media

In case of fire, use appropriate media for surrounding fire.

Product is water based and is unlikely to play a contributing role in any fire. Heated product may splatter.

### Special protective precautions and equipment for fire fighters

Fire fighters should wear self contained breathing apparatus and full protective clothing along with protective equipment.

### Hazards from Combustion Products

No data available.

### Flammability Conditions

Product is not flammable.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective equipment including impervious gloves and eye protection.

Spilt material creates slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes and skin. Ensure eyewash and safety shower are available and ready for use.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use. Do not store next to strong oxidizing agents or strong acids.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

For Potassium Hydroxide TLV =  $2\text{mg}/\text{m}^3$  – Ceiling Value

**Eye protection:** Wear safety glasses. Eye protection should conform to Australian/New Zealand Standards AS/NZS 1337 – Eye Protection For Industrial Applications.

**Hand protection:** Wear impervious gloves.

**Engineering measures:** Use only in well ventilated area.

**Biological Limit Values:** Not available



## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless to Light Yellow
<b>Odour:</b>	Mild, slightly sweet
<b>pH:</b>	Approximately 14
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	Not determined
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.20
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature. Do not store in metal containers especially aluminium.
<b>Materials to avoid:</b>	Avoid contact with strong acids and strong oxidising agents. Do not contact with aluminium. Other metals to avoid are tin and zinc. Incompatible with perchlorates, peroxides, permanganates, chlorates, nitrates, chlorine, bromine and fluorine.
<b>Polymerization:</b>	Product will not undergo dangerous polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material

### Toxicity Data: For Potassium Hydroxide

Oral Rat LD50: 273mk/kg. Corrosive agent: Inhalation, the skin, the eyes and swallowed.  
Degree of Acute Toxicity: If swallowed, it is poisonous.

**Health Effects – Acute****Swallowed**

If swallowed product will cause severe pain in the oral cavity and the oesophagus, vomiting and diarrhoea. The vomit will contain blood and substances from the insides of a mucous membrane. If patient does not die within 24 hours, he/she will recover for 2 – 4 days, then suffer from sudden pains, abnormal tetany of stomach and rapid fall of blood pressure indicating oesophagus perforation. In case of Esophagostenosis, its early symptoms appear within a few weeks but may appear a few years later.

**Eye**

Product will cause conjunctival oedema and corneal destruction. Causes burns and severe eye damage.

**Skin**

Product causes severe burns to skin.

**Inhaled**

Inhalation of mist causes burns to the respiratory tracts. In case of severe exposure, pneumonia, circulatory disturbance and peritonitis may arise.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

**Additional information**

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

**13. DISPOSAL CONSIDERATIONS**

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Australian Code For Transport of Dangerous Goods by ROAD and RAIL**

**U.N. Number:** 1719

**U.N. Proper Shipping Name:** CAUSTIC ALKALI LIQUID N.O.S.

**Subsidiary Risk:** N/A

**Packaging Group:** III

**Hazchem Code:** 2R

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** S6

**EPG :** CAUSTIC ALKALI N.O.S.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08-08-2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram

<b>g/cm<sup>3</sup></b>	<b>Grams per cubic centimetre</b>
<b>g/l</b>	<b>Grams per litre</b>
<b>Immiscible</b>	<b>Liquids are insoluble in each other</b>
<b>kg</b>	<b>Kilogram</b>
<b>kg/m<sup>3</sup></b>	<b>Kilograms per cubic metre</b>
<b>ltr</b>	<b>Litre</b>
<b>m<sup>3</sup></b>	<b>Cubic metre</b>
<b>mg</b>	<b>Milligram</b>
<b>mg/24H</b>	<b>Milligrams per 24 hours</b>
<b>mg/kg</b>	<b>Milligrams per kilogram</b>
<b>mg/m<sup>3</sup></b>	<b>Milligrams per cubic metre</b>
<b>miscible</b>	<b>Liquids form one homogeneous liquid</b>
<b>ppm</b>	<b>Parts per million</b>
<b>wt</b>	<b>weight</b>

#### Literature References: Supplies MSDS

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Version	7.3
Revision date:	21.01.2009
Print date:	22/01/09



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** REBOUND

**Uses:** Floor cleaner and spray buff.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Acrylic Copolymer	< 1	Non Hazardous
Wax Emulsion Blend	< 15	Non Hazardous
Aliphatic Hydrocarbon	< 5	64742-48-9
Ammonium Hydroxide	< 0.1	7664-41-7
Monoethanolamine	< 0.3	141-43-5
Processing Aid	< 2	Non Hazardous
Fragrance	< 1	Non Hazardous
Preservative	< 0.1	2634-33-5
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice

**Eye Exposure:** Rinse with plenty of water. If eye irritation persists seek medical advice.

**Skin Exposure:** Wash with water and soap as a precaution. If skin irritation persists, seek medical advice

**Inhalation:** If affected move patient to fresh air. If feeling unwell seek medical advice.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Thermal decomposition:** Thermal decomposition may yield acrylic monomers.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Material may create slippery conditions.

Use personal protective equipment.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes and skin. Wash hands after handling. Keep container tightly closed. Do not breathe vapours, mist or gas.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear impervious gloves.

**Respiratory protection:** No special precautions

**Engineering measures:** Normal ventilation is required

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Lemon
<b>pH:</b>	10 – 10.5
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not determined
<b>Relative vapour density:</b>	Not determined
<b>Water solubility:</b>	Dilutable
<b>Relative density:</b>	1.03 – 1.04
<b>Viscosity, dynamic:</b>	Not determined
<b>Evaporation rate:</b>	Not determined
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

## 12. ECOLOGICAL INFORMATION

There is no data available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08/08//2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	<b>Less Than</b>
>	<b>Greater Than</b>
AICS	<b>Australian Inventory of Chemical Substances</b>
CAS	<b>Chemical Abstracts Service (Registry Number)</b>
LC50	<b>LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.</b>
LD50	<b>LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.</b>



<b>NOHSC</b>	<b>National Occupational Health and Safety Commission.</b>
<b>OECD</b>	<b>Organisation for Economic Co-operation and Development.</b>
<b>PEL</b>	<b>Permissible Exposure Limit.</b>
<b>STEL</b>	<b>Short Term Exposure Limit</b>
<b>TLV</b>	<b>Threshold Limit Value</b>
<b>TWA</b>	<b>Time Weighted Average</b>
<b>UN</b>	<b>United Nations (Number)</b>
<b>deg C (°C)</b>	<b>Degrees Celsius</b>
<b>g</b>	<b>Gram</b>
<b>g/cm<sup>3</sup></b>	<b>Grams per cubic centimetre</b>
<b>g/l</b>	<b>Grams per litre</b>
<b>Immiscible</b>	<b>Liquids are insoluble in each other</b>
<b>kg</b>	<b>Kilogram</b>
<b>kg/m<sup>3</sup></b>	<b>Kilograms per cubic metre</b>
<b>ltr</b>	<b>Litre</b>
<b>m<sup>3</sup></b>	<b>Cubic metre</b>
<b>mg</b>	<b>Milligram</b>
<b>mg/24H</b>	<b>Milligrams per 24 hours</b>
<b>mg/kg</b>	<b>Milligrams per kilogram</b>
<b>mg/m<sup>3</sup></b>	<b>Milligrams per cubic metre</b>
<b>miscible</b>	<b>Liquids form one homogeneous liquid</b>
<b>ppm</b>	<b>Parts per million</b>
<b>wt</b>	<b>weight</b>

#### **Literature References: Supplies MSDS**

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Version	7.1
Revision date:	08/08/2008
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** RESTORE

**Uses:** For cutting back scratches and blemishes on stone.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

## 2. HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of NOHSC**

**Risk Classification:** Xn; Harmful

**Risk Phrases:** R21/22: Harmful in contact with skin and if swallowed.

R36/37/38: Irritating to eyes, respiratory system and skin.

**Safety Phrases**

S1/2 Keep locked up and out of reach of children.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse with plenty of water and seek medical advice.

S37 Wear suitable gloves.

S45 In case of accident or you feel unwell, seek medical advice immediately (show label or this MSDS whenever possible).

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Oxalic Acid	16	144-62-7
Aluminium Oxide	< 30	1344-28-1
Water	> 50	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Causes acid burns Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. Seek immediate medical assistance. Poisons Information Centre pH 13 1126.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. Seek immediate medical assistance.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. Launder clothing before reuse. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### **Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor. If victim is conscious, give immediately by mouth, a fine suspension in water of a non-toxic calcium compound such as calcium lactate, chalk or milk. Large amounts of calcium are required to inactivate oxalate by precipitating it as the insoluble oxalate salt.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** Not assigned.

Product is water based and is unlikely to play a contributing role in any fire. Heat product may give off highly irritating fumes.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire. Breathing apparatus must be worn.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Use personal protective equipment including impervious gloves and eye protection. Spilt material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes and skin. Ensure eyewash is available and ready to use. Observe good personal hygiene practices. Wash hands thoroughly after handling.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use. Do not store next to strong oxidizing agents or strong alkalies. Avoid exposure to heat.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product. Exposure standards for oxalic acid are: Oxalic acid CAS Number 144-62-7 8Hr TWA = 1mg/ m<sup>3</sup>, 15min STEL=2mg/ m<sup>3</sup>

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear chemically resistant gloves.

**Engineering measures:** Use only in well ventilated area.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Cream
<b>Colour:</b>	Off white
<b>Odour:</b>	Odourless
<b>pH:</b>	1.1
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	Not determined
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.10 +/- 0.01
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature. Do not store in metal containers.
<b>Conditions to avoid:</b>	Avoid excessive heat, high temperature and sources of ignition.
<b>Incompatible materials:</b>	Incompatible with oxidizing agents, acids, bases, alkalis, metals, salts of oxyhalogenic acids and ammonia.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this product. Data for oxalic acid:

Oral LD50 (male rat) 475mg/kg

Skin LD50 (rabbit) 2000mg/kg

Exposure to oxalic acid can result in systemic effects including kidney damage, muscle twitching, cramps and central nervous system complications.

### Health Effects – Acute

#### Swallowed

Harmful if swallowed. May cause irritation to mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tracts. May result in rapid absorption. Absorption may cause agitation, spasms, nausea, vomiting, cardiovascular failure and collapse through disturbed electrolyte balance.

#### Eyes

A severe eye irritant. Contact with eye can cause corneal burns and result in permanent injury. Prolonged contact with oxalic acid solution s can produce irreversible eye damage.

#### Skin

Harmful in contact with skin. Contact with skin can result in severe skin irritation and tissue damage. Danger of absorption through skin.

#### Inhaled

Inhalation may causes irritation to the mucus membranes, coughing and dyspnoea.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** S6

**EPG :** Non Allocated

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08/08/2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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**Uncontrolled document. Please ensure you have the current copy.**

Version	2.2
Revision date:	08/08.2008
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** ROSEWASH

**Uses:** Handwash.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Classified as non-hazardous according to criteria of NOHSC

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Anionic Surfactant Blend	< 20	Non Hazardous
Preservative	< 0.1	Non Hazardous
Perfume	< 1	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Wash off with water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.



## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

**Exposure controls:**

**Eye protection:** Avoid contact with eyes.

**Hand protection:**

**Engineering measures:** No special precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Thick Liquid
<b>Colour:</b>	Bright pink
<b>Odour:</b>	Rose
<b>pH:</b>	8
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.0
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data are available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system.

#### Eye

May cause eye irritation.

#### Skin

May be irritating to skin with prolonged contact.

#### Inhaled

Not a likely health issue. Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.08

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08.08.08
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SAFE DE-WAX

**Uses:** Solvent. Wax remover/thinner.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

**Address:** PO Box 142 Artarmon NSW 1570

**ABN** 65 002 373 319 **ACN:** 002 373 319

**Telephone:** (02) 8868 6888 8am to 5pm Monday to Friday

**Fax Number:** (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

## 2. HAZARDS IDENTIFICATION

**Hazardous according to criteria of NOHSC/ASCC**

**Risk Classification:** Xn; Harmful .

### Risk Phrases

R65 May cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness and cracking.

### Safety Phrases

S23 Do not breathe vapour.

S24 Avoid contact with skin.

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Naphtha (Petroleum), Hydrotreated Heavy	100	64742-48-9

## 4. FIRST AID MEASURES

**Swallowed:** Give 1 or 2 glasses of water to drink. Do Not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. Seek medical attention.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of soap and water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air – avoid becoming a casualty. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## **5. FIRE FIGHTING MEASURES**

**Hazchem Code:** None allocated

**Special protective precautions and equipment for fire fighters**

Fire fighters should wear full protective equipment including self-contained breathing apparatus. Use water spray to cool fire exposed surface and to protect personnel. If leak or spill has not ignited, use water spray to disperse the vapours and protect men attempting to stop leak. Use foam or dry chemical to extinguish fire. Avoid spraying water directly into storage containers due to the dangers of boilover.

**Hazards from Combustion Products**

No data available.

## **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Use personal protective equipment.  
Keep people away from and upwind of spill/leak.  
Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).  
Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Ensure that eye bath is available and ready for use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container locked up and tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** The Exposure Standards for Naphtha (petroleum), hydrotreated heavy: Cas 64742-48-9:

TWA ppm	mg/m <sup>3</sup>
171	1200

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear impervious gloves.

**Respiratory protection:** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used for protection against airborne contamination. Reference should be made to Australian Standards AS/NZ 1715, Selection

**Engineering measures:** Use only in a well ventilated area. If handling large amounts a system of local and/or general exhaust is recommended.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Clear colourless
<b>Odour:</b>	Paraffinic Hydrocarbon
<b>pH:</b>	Not Applicable
<b>Boiling point/range:</b>	183 °C - 208 °C
<b>Auto ignition:</b>	250 °C
<b>Melting point/range:</b>	-50 °C estimate
<b>Flash point:</b>	63 °C minimum
<b>Lower explosion limit: (as % volume in air)</b>	0.7
<b>Upper explosion limit:</b>	5.3
<b>Vapour pressure<sup>20 °C</sup> :</b>	0.069 kPa
<b>Relative vapour density:</b>	> 1.0
<b>Water solubility:</b>	Negligible
<b>Relative density:</b>	0.895
<b>Viscosity, dynamic:</b>	Not established
<b>Evaporation rate (n Bu Acetate = 1):</b>	0.05
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Strong oxidizing agents.
<b>Conditions to avoid:</b>	Avoid excessive heat, direct sources of ignition, direct sunlight, static discharge and high temperature.
<b>Hazardous decomposition products:</b>	No data.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this product. The information shown is for Naphtha (petroleum), hydrotreated heavy.

### Health Effects – Acute

Xn; Harmful

### Swallowed

Harmful if swallowed. Ingestion may cause lung damage if swallowed. Ingestion of this product will irritate gastric tracts causing nausea and vomiting. Aspiration into lungs may result in pneumonitis or pulmonary oedema.

### Eye

Will causes eye discomfort, but will not injure eye tissue.

### Skin

Prolonged and repeated skin contact may cause skin cracking and/or dermatitis due to de-fatting effect.

### Inhaled

Inhalation may causes irritation to the mucus membranes and the upper airways, especially where vapours or mist is generated. Could have anaesthetic or other central nervous system effects. Symptoms include coughing, wheezing, shortness of breath, headache, dizziness, nausea and vomiting.



## 12. ECOLOGICAL INFORMATION

**Persistence and degradability:** No acute toxicity to aquatic organisms is expected at the maximum water solubility of this material.

Long term adverse effects on the environment is not expected.

**Mobility:** The Naphtha solvent is highly volatile and will rapidly evaporate into the air.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** Does not bioaccumulate significantly.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

Land: Not regulated for road/rail transport.

Sea: Not regulated for sea transport.

Air: Not regulated for air transport.

**Special Precautions for User:** Avoid storage or contact with strong oxidising agents.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 12.01.2009

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

**Literature References:** Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	1.0
Revision date:	12.01.2009
Print date:	25/02/09



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SAFE DE-WAX

**Uses:** Solvent. Wax remover/thinner.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

**Address:** PO Box 142 Artarmon NSW 1570

**ABN** 65 002 373 319 **ACN:** 002 373 319

**Telephone:** (02) 8868 6888 8am to 5pm Monday to Friday

**Fax Number:** (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

## 2. HAZARDS IDENTIFICATION

**Hazardous according to criteria of NOHSC/ASCC**

**Risk Classification:** Xn; Harmful .

### Risk Phrases

R65 May cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness and cracking.

### Safety Phrases

S23 Do not breathe vapour.

S24 Avoid contact with skin.

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Naphtha (Petroleum), Hydrotreated Heavy	100	64742-48-9

## 4. FIRST AID MEASURES

**Swallowed:** Give 1 or 2 glasses of water to drink. Do Not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. Seek medical attention.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of soap and water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air – avoid becoming a casualty. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## **5. FIRE FIGHTING MEASURES**

**Hazchem Code:** None allocated

**Special protective precautions and equipment for fire fighters**

Fire fighters should wear full protective equipment including self-contained breathing apparatus. Use water spray to cool fire exposed surface and to protect personnel. If leak or spill has not ignited, use water spray to disperse the vapours and protect men attempting to stop leak. Use foam or dry chemical to extinguish fire. Avoid spraying water directly into storage containers due to the dangers of boilover.

**Hazards from Combustion Products**

No data available.

## **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Use personal protective equipment.  
Keep people away from and upwind of spill/leak.  
Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).  
Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Ensure that eye bath is available and ready for use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container locked up and tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** The Exposure Standards for Naphtha (petroleum), hydrotreated heavy: Cas 64742-48-9:

TWA ppm	mg/m <sup>3</sup>
171	1200

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear impervious gloves.

**Respiratory protection:** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used for protection against airborne contamination. Reference should be made to Australian Standards AS/NZ 1715, Selection

**Engineering measures:** Use only in a well ventilated area. If handling large amounts a system of local and/or general exhaust is recommended.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Clear colourless
<b>Odour:</b>	Paraffinic Hydrocarbon
<b>pH:</b>	Not Applicable
<b>Boiling point/range:</b>	183 °C - 208 °C
<b>Auto ignition:</b>	250 °C
<b>Melting point/range:</b>	-50 °C estimate
<b>Flash point:</b>	63 °C minimum
<b>Lower explosion limit: (as % volume in air)</b>	0.7
<b>Upper explosion limit:</b>	5.3
<b>Vapour pressure<sup>20 °C</sup> :</b>	0.069 kPa
<b>Relative vapour density:</b>	> 1.0
<b>Water solubility:</b>	Negligible
<b>Relative density:</b>	0.895
<b>Viscosity, dynamic:</b>	Not established
<b>Evaporation rate (n Bu Acetate = 1):</b>	0.05
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Strong oxidizing agents.
<b>Conditions to avoid:</b>	Avoid excessive heat, direct sources of ignition, direct sunlight, static discharge and high temperature.
<b>Hazardous decomposition products:</b>	No data.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this product. The information shown is for Naphtha (petroleum), hydrotreated heavy.

### Health Effects – Acute

Xn; Harmful

### Swallowed

Harmful if swallowed. Ingestion may cause lung damage if swallowed. Ingestion of this product will irritate gastric tracts causing nausea and vomiting. Aspiration into lungs may result in pneumonitis or pulmonary oedema.

### Eye

Will causes eye discomfort, but will not injure eye tissue.

### Skin

Prolonged and repeated skin contact may cause skin cracking and/or dermatitis due to de-fatting effect.

### Inhaled

Inhalation may causes irritation to the mucus membranes and the upper airways, especially where vapours or mist is generated. Could have anaesthetic or other central nervous system effects. Symptoms include coughing, wheezing, shortness of breath, headache, dizziness, nausea and vomiting.

## 12. ECOLOGICAL INFORMATION

**Persistence and degradability:** No acute toxicity to aquatic organisms is expected at the maximum water solubility of this material.

Long term adverse effects on the environment is not expected.

**Mobility:** The Naphtha solvent is highly volatile and will rapidly evaporate into the air.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** Does not bioaccumulate significantly.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

Land: Not regulated for road/rail transport.

Sea: Not regulated for sea transport.

Air: Not regulated for air transport.

**Special Precautions for User:** Avoid storage or contact with strong oxidising agents.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 12.01.2009

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

**Literature References:** Supplies MSDS

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Version	1.0
Revision date:	12.01.2009
Print date:	30/01/09





## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SAFESTEP PASTE

**Uses:** Paste wax floor polish for wooden floors.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

**Address:** PO Box 142 Artarmon NSW 1570

**ABN** 65 002 373 319 **ACN:** 002 373 319

**Telephone:** (02) 8868 6888 8am to 5pm Monday to Friday

**Fax Number:** (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

## 2. HAZARDS IDENTIFICATION

**Hazardous according to criteria of NOHSC/ASCC**

**Risk Classification:** Xn; Harmful .

### Risk Phrases

R65 May cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness and cracking.

### Safety Phrases

S23 Do not breathe vapour.

S24 Avoid contact with skin.

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Wax Blend	< 20	Non Hazardous
Naphtha (Petroleum), Hydrotreated Heavy	> 80	64742-48-9

## 4. FIRST AID MEASURES

**Swallowed:** Give 1 or 2 glasses of water to drink. Do Not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. Seek medical attention.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of soap and water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air – avoid becoming a casualty. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

**5. FIRE FIGHTING MEASURES**

**Hazchem Code:** None allocated

**Special protective precautions and equipment for fire fighters**

Fire fighters should wear full protective equipment including self-contained breathing apparatus. Use water spray to cool fire exposed surface and to protect personnel. If leak or spill has not ignited, use water spray to disperse the vapours and protect men attempting to stop leak. Use foam or dry chemical to extinguish fire. Avoid spraying water directly into storage containers due to the dangers of boilover.

**Hazards from Combustion Products**

No data available.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Use personal protective equipment.  
Keep people away from and upwind of spill/leak.  
Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).  
Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Ensure that eye bath is available and ready for use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container locked up and tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product. The Exposure Standards for Naphtha (petroleum), hydrotreated heavy: Cas 64742-48-9:

TWA ppm	mg/m <sup>3</sup>
171	1200

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear impervious gloves.

**Respiratory protection:** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used for protection against airborne contamination. Reference should be made to Australian Standards AS/NZ 1715, Selection

**Engineering measures:** Use only in a well ventilated area. If handling large amounts a system of local and/or general exhaust is recommended.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Paste
<b>Colour:</b>	White
<b>Odour:</b>	Paraffinic Hydrocarbon
<b>pH:</b>	Not Applicable
<b>Boiling point/range:</b>	183 °C - Not established
<b>Melting point/range:</b>	Not established
<b>Flash point:</b>	63°C minimum
<b>Lower explosion limit: (as % volume in air)</b>	0.7
<b>Upper explosion limit:</b>	5.3
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Negligible
<b>Relative density:</b>	0.895
<b>Viscosity, dynamic:</b>	Not established
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Strong oxidizing agents.
<b>Conditions to avoid:</b>	Avoid excessive heat, direct sources of ignition, direct sunlight, static discharge and high temperature.
<b>Hazardous decomposition products:</b>	No data.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this product. The information shown is for Naphtha (petroleum), hydrotreated heavy.

### Health Effects – Acute

Xn; Harmful

### Swallowed

Harmful if swallowed. Ingestion may cause lung damage if swallowed. Ingestion of this product will irritate gastric tracts causing nausea and vomiting. Aspiration into lungs may result in pneumonitis or pulmonary oedema.

### Eye

Will causes eye discomfort, but will not injure eye tissue.

### Skin

Prolonged and repeated skin contact may cause skin cracking and/or dermatitis due to de-fatting effect.

### Inhaled

Inhalation may causes irritation to the mucus membranes and the upper airways, especially where vapours or mist is generated. Could have anaesthetic or other central nervous system effects. Symptoms include coughing, wheezing, shortness of breath, headache, dizziness, nausea and vomiting.

## 12. ECOLOGICAL INFORMATION

**Persistence and degradability:** No acute toxicity to aquatic organisms is expected at the maximum water solubility of this material.

Long term adverse effects on the environment is not expected.

**Mobility:** The Naphtha solvent is highly volatile and will rapidly evaporate into the air.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** Does not bioaccumulate significantly.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

Land: Not regulated for road/rail transport.

Sea: Not regulated for sea transport.

Air: Not regulated for air transport.

**Special Precautions for User:** Avoid storage or contact with strong oxidising agents.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 12.01.2009

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

**Literature References:** Supplies MSDS

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

***Uncontrolled document. Please ensure you have the current copy.***

Version	1.0
Revision date:	12.01.2009
Print date:	30/01/09



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SAFESTEP

**Uses:** Liquid wax floor polish for wooden floors.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

**Address:** PO Box 142 Artarmon NSW 1570

**ABN** 65 002 373 319 **ACN:** 002 373 319

**Telephone:** (02) 8868 6888 8am to 5pm Monday to Friday

**Fax Number:** (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

## 2. HAZARDS IDENTIFICATION

**Hazardous according to criteria of NOHSC/ASCC**

**Dangerous According to the Australian Code for the Transport of Dangerous Goods**

**Risk Classification: Xn; Harmful .**

### Risk Phrases

- R10 Flammable
- R40/20 Danger of serious damage to health by prolonged exposure through inhalation..
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R65 May cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness and cracking.
- R67 Vapours may cause drowsiness and dizziness.

### Safety Phrases

- S1/2 Keep locked up and out of reach of children.
- S16 Keep away from sources of ignition.
- S23 Do not breathe vapour.
- S24/25 Avoid contact with skin and eyes.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S29 Do not empty into drains.
- S33 Take precautionary measures against static discharge.
- S36/37 Wear suitable protective clothing.
- S46 If swallowed, seek medical advice immediately and show this MSDS or product label whenever possible.
- S51 Use only in well ventilated area.
- S62 If swallowed do not induce vomiting: seek medical advice immediately and show this container or label.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Wax Blend	< 15	Non Hazardous
White Spirits	> 85	64742-82-1

### 4. FIRST AID MEASURES

**Swallowed:** Give 1 or 2 glasses of water to drink. Do Not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. Seek medical attention.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of soap and water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air – avoid becoming a casualty. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

#### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

### 5. FIRE FIGHTING MEASURES

**Hazchem Code:** 3[Y]

#### Special protective precautions and equipment for fire fighters

Fire fighters should wear full protective equipment including self-contained breathing apparatus. Use water spray to cool fire exposed surface and to protect personnel. If leak or spill has not ignited, use water spray to disperse the vapours and protect men attempting to stop leak. Use foam or dry chemical to extinguish fire. Avoid spraying water directly into storage containers due to the dangers of boilover.

#### Flamability Conditions

Flammable liquid. Liquid can release vapours that can readily form flammable mixtures at temperatures above the flash point. Product can accumulate static charges which can cause an incendiary discharge.

#### Hazards from Combustion Products

No data available.



## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Ensure that eye bath is available and ready for use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container locked up and tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product. The Exposure Standards for White Spirits Cas 64742-82-1:

White Spirits	TWA ppm	mg/m <sup>3</sup>	STEL ppm	mg/m <sup>3</sup>
	70	350	150	650

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear impervious gloves.

**Respiratory protection:** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used for protection against airborne contamination. Reference should be made to Australian Standards AS/NZ 1715, Selection

**Engineering measures:** Use only in a well ventilated area. If handling large amounts a system of local and/or general exhaust is recommended.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Thixotropic Liquid
<b>Colour:</b>	White
<b>Odour:</b>	Kerosene
<b>pH:</b>	Not Applicable
<b>Boiling point/range:</b>	Not established
<b>Melting point/range:</b>	Not applicable
<b>Flash point:</b>	41-42°C
<b>Lower explosion limit: (as % volume in air)</b>	1.0
<b>Upper explosion limit:</b>	7.0
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Negligible
<b>Relative density:</b>	0.895
<b>Viscosity, dynamic:</b>	Not established
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Strong oxidizing agents.
<b>Conditions to avoid:</b>	Avoid excessive heat, direct sources of ignition, direct sunlight, static discharge and high temperature.
<b>Hazardous decomposition products:</b>	No data.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is for white spirits.

### Toxicity Data

Oral LD50 Rat: 2000 mg/Kg. Skin LD50 Rat: 2000mg/Kg.

### Health Effects – Acute

Harmful

### Swallowed

Harmful if swallowed. Ingestion may cause lung damage if swallowed. Ingestion of this product will irritate gastric tracts causing nausea and vomiting. Aspiration into lungs may result in pneumonitis.

### Eye

Causes eye irritation.

### Skin

Prolonged and repeated skin contact may cause dermatitis due to de-fatting effect.

### Inhaled

Inhalation may causes irritation to the mucus membranes and the upper airways, especially where vapours or mist is generated. Symptoms include coughing, wheezing, shortness of breath, headache, dizziness, nausea and vomiting.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

**Persistence and degradability:** No information available for this product. White spirits is readily biodegradable. Floats on water.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** Does not bioaccumulate significantly.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**UN Number:** 1268

**UN Proper Shipping Name:** PETROLEUM PRODUCTS N.O.S.

**Class & Subsidiary Risk:** DG Class 3

**Packing Group:** III

**Special Precautions for User:** Avoid storage or contact with strong oxidising or reducing agents.

**Hazchem Code:** 3[Y]

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule**      Schedule 6

**EPG**                      16

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

**Literature References:** Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	30/01/09



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SATIN STAR

**Uses:** Floor sealer

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a preparation.

This product does not contain any substances presenting a health or environmental hazard.

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Skin Exposure:** Wash with water and soap as a precaution. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Thermal decomposition:** Thermal decomposition may yield acrylic monomers.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or gas.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses

**Hand protection:** Wear impervious gloves.

**Respiratory protection:** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used for protection against airborne contamination. Reference should be made to Australian Standards AS/NZ 1715, Selection

**Engineering measures:** Use only in area provided with appropriate exhaust ventilation.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Polymer odour
<b>pH:</b>	8.4 – 8.8
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	22.6648 Pa at 20°C Water
<b>Relative vapour density:</b>	<1.0 Water
<b>Water solubility:</b>	Dilutable
<b>Relative density:</b>	1.03 – 1.04
<b>Viscosity, dynamic:</b>	15.000 mPa.s
<b>Evaporation rate:</b>	<1.00 Water
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is based on profiles of compositionally similar materials.

<b>Acute oral toxicity:</b>	LD50 rat > 5,000 mg/kg
<b>Acute dermal toxicity:</b>	LD50 rabbit > 5,000 mg/kg
<b>Skin irritation:</b>	rabbit May cause transient irritation.
<b>Eye irritation:</b>	rabbit No eye irritation.

## 12. ECOLOGICAL INFORMATION

There is no data available for this product.



## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate this material at a facility that complies with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08.08.2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

#### Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	23/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SENSATION

**Uses:** Stain remover.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Phosphate Salt	< 7	Non Hazardous
Anionic Surfactant	< 4	Non Hazardous
Non-ionic Surfactant	< 1	Non Hazardous
Ammonium Hydroxide	< 2	1336-21-6
Butyl Glycol Ether	< 10	111-76-2
Sodium Metasilicate	< 1	6834-92-0
Colour	Trace	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## **5. FIRE FIGHTING MEASURES**

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## **7. HANDLING & STORAGE**

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Pale Blue
<b>Odour:</b>	Ammonia
<b>pH:</b>	11.5
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.035
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** No special precautions.

**Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

#### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

#### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

#### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

#### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08.08.2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

**Literature References: Supplier's MSDS**

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Version	7.2
Revision date:	04.12.2008
Print date:	04/12/08





MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** **SHIFT**

**Uses:** Dishwashing detergent/neutral detergent.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Classified as non-hazardous according to criteria of NOHSC

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Anionic Surfactant Blend	< 20	Non Hazardous
Preservative	< 0.1	Non Hazardous
Perfume	< 1	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Wash off with water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

**Exposure controls:**

**Eye protection:** Avoid contact with eyes.

**Hand protection:** Wear suitable gloves.

**Engineering measures:** No special precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Thick Liquid
<b>Colour:</b>	Yellow
<b>Odour:</b>	Lemon
<b>pH:</b>	7.0 - 7.5
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.0
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system.

#### Eye

May cause eye irritation.

#### Skin

May be irritating to skin with prolonged contact.

#### Inhaled

Not a likely health issue. Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SHINER

**Uses:** Floor maintenance cleaner and spray buff.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Wax Emulsion Blend	< 15	Non Hazardous
Sodium Metasilicate	< 1	6834-92-0
Phosphate Salt	< 5	Non Hazardous
Fragrance	< 1	Non Hazardous
Preservative	< 0.1	2634-33-5
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice

**Eye Exposure:** Rinse with plenty of water. If eye irritation persists seek medical advice.

**Skin Exposure:** Wash with water and soap as a precaution. If skin irritation persists, seek medical advice

**Inhalation:** If affected move patient to fresh air. If feeling unwell seek medical advice.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Thermal decomposition:** Thermal decomposition may yield acrylic monomers.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Material may create slippery conditions.

Use personal protective equipment.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes and skin. Wash hands after handling. Keep container tightly closed. Do not breathe vapours, mist or gas.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product.

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:**

**Engineering measures:** Normal ventilation is required

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Lemon
<b>pH:</b>	10.0 – 11.0
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not determined
<b>Relative vapour density:</b>	Not determined
<b>Water solubility:</b>	Dilutable
<b>Relative density:</b>	1.03 – 1.04
<b>Viscosity, dynamic:</b>	Not determined
<b>Evaporation rate:</b>	Not determined
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.



## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** No special precautions.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

## 12. ECOLOGICAL INFORMATION

There is no data available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SILKY

**Uses:** Hand and body wash.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Classified as non-hazardous according to criteria of NOHSC

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Anionic Surfactant Blend	< 20	Non Hazardous
Preservative	< 0.1	Non Hazardous
Perfume	< 1	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Wash off with water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

**Exposure controls:**

**Eye protection:** Avoid contact with eyes.

**Hand protection:**

**Engineering measures:** No special precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Thick Liquid
<b>Colour:</b>	Pink
<b>Odour:</b>	Floral
<b>pH:</b>	7.0 - 7.5
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.0
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system.

#### Eye

May cause eye irritation.

#### Skin

May be irritating to skin with prolonged contact.

#### Inhaled

Not a likely health issue. Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SLEDGEHAMMER

**Uses:** Stripper to remove old or dirty sealers and polishes from floors and hard surfaces.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

**Address:** PO Box 142 Artarmon NSW 1570

**ABN** 65 002 373 319 **ACN:** 002 373 319

**Telephone:** (02) 8868 6888 8am to 5pm Monday to Friday

**Fax Number:** (02) 9682 6855

**Poisons Information Centre Telephone:** 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazardous according to criteria of NOHSC/ASCC**

**Xi;** Irritant

### Risk Phrases

R36/37/38 Irritating to eyes, respiratory system and skin.

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

S36/37 Wear suitable protective clothing.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Monoethanolamine	< 18	141-43-5
2-Butoxyethanol	< 10	111-76-2
Non ionic Surfactant	< 5	Non Hazardous
Potassium Hydroxide	< 0.5	1310-73-2
Anionic surfactant	< 5	Non Hazardous
Colour	Trace	Non Hazardous
Ethyl Acetate	< 8	141-76-6
Water	> 50	7732-18-5



## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air – avoid becoming a casualty. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

### **Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product. The Exposure Standards for 2-Butoxyethanol CAS No: 111-76-2; TWA: 20ppm (96.9mg/m<sup>3</sup>) STEL: 50ppm (242mg/m<sup>3</sup>). Absorption through skin may be a significant source of exposure.

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear impervious gloves.

**Respiratory protection:** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used for protection against airborne contamination. Reference should be made to Australian Standards AS/NZ 1715, Selection

**Engineering measures:** Use only in a well ventilated area. If handling large amounts a system of local and/or general exhaust is recommended.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Reddish-Pink
<b>Odour:</b>	Sweet fruity odour
<b>pH:</b>	11.0 – 11.3
<b>Boiling point/range:</b>	100-171°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01 – 1.02
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is for ethylene glycol mono butyl ether which is present at less than 10%.

### Toxicity Data

Oral LD50 Rat: 470mg/Kg. Skin LD50 Rabbit: 220mg/Kg. Inhaled LC50 Rat: 2211mg/m<sup>3</sup> (4hr).  
Skin Irritation Rabbit: Slight irritation. Eye Irritation: Irritation.

Note: No studies are available on the effects of long term exposure in humans. Studies indicate that repeated exposure causes blood, liver and kidney disorders in animals. Deaths in acute studies were generally caused by narcosis or respiratory failure, with kidney failure seen as a secondary cause. The main toxic effect observed in acute and repeated dose animal studies is haemolysis. The effect varies between species with rats and mice the most susceptible, rabbits less susceptible and guinea-pigs and humans least susceptible. Changes in kidney, liver, spleen and lungs were found in animals exposed by ingestion, inhalation and skin absorption. Deaths usually result from CNS depression, lung damage and kidney injury.

### Health Effects – Acute

#### Swallowed

May be harmful if swallowed. Ingestion may cause irritation of mucous membranes in mouth, pharynx, oesophagus and gastro-intestinal tracts. Symptoms include nausea, headache, vomiting, ataxia (impaired locomotor co-ordination), acidosis, drowsiness, Agitation, insomnia, changes in the blood picture, pulmonary oedema and damage to the liver and kidneys.

#### Eye

Causes eye irritation.

#### Skin

Irritating to skin. Danger of skin absorption.

#### Inhaled

Inhalation causes irritation to the mucus membranes, coughing and dyspnoea. Chronic exposure causes damage to blood cells and blood in urine.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Uncontrolled document. Please ensure you have the current copy.**

Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SLIPSAFE

**Uses:** Polished concrete treatment to reduce slip.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Not classified as hazardous according to criteria of NOHSC

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Amorphous Silica	< 20	7631-86-9
Water	> 80	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. Seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. Launder clothing before reuse. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective equipment.

Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes and skin. Keep container closed when not in use.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Engineering measures:** Normal ventilation is adequate.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Odourless
<b>pH:</b>	9.4 – 9.6
<b>Boiling point/range:</b>	100°C
<b>Melting point/range:</b>	<0°C Water

<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.05
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## **10. STABILITY & REACTIVITY**

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** Avoid contact with strong acids.

**Polymerization:** Product will not undergo dangerous polymerization.

## **11. TOXICOLOGICAL INFORMATION**

### **Health Effects – Acute**

#### **Swallowed**

May cause some irritation.

#### **Eye**

May causes eye irritation.

#### **Skin**

May cause some irritation.

#### **Inhaled**

Not a likely path of health risk.



## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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**Uncontrolled document. Please ensure you have the current copy.**

Version	2.1
Revision date:	08.08.2008
Print date:	17/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SOFTEEN

**Uses:** Laundry fabric softener.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Emergency: 1800 801 919

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Non hazardous according to criteria of NOHSC/ASCC**

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Cationic Surfactant	< 15	63449-41-2
Optical Brightener	< 1	Non Hazardous
Colour	Trace	Non Hazardous
Perfume	< 1	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Blue Opaque
<b>Odour:</b>	Fresh Fragrance
<b>pH:</b>	3.5
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	0.98
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.08

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SOLITAIRE

**Uses:** Floor sealer

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a preparation.

This product does not contain any substances presenting a health or environmental hazard.

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Skin Exposure:** Wash with water and soap as a precaution. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air.



## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Thermal decomposition:** Thermal decomposition may yield acrylic monomers.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus and protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or gas.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not determined for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** If working in confined space or poor ventilation use appropriate respiratory protection

**Engineering measures:** Use only in area provided with appropriate exhaust ventilation.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid milky
<b>Colour:</b>	White
<b>Odour:</b>	Polymer odour
<b>pH:</b>	8.0 – 9.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	22.6648 Pa at 20°C Water
<b>Relative vapour density:</b>	<1.0 Water
<b>Water solubility:</b>	Dilutable
<b>Relative density:</b>	1.00 – 1.04
<b>Viscosity, dynamic:</b>	15.000 mPa.s
<b>Evaporation rate:</b>	<1.00 Water
<b>Percent volatility:</b>	61 – 63% Water

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is based on profiles of compositionally similar materials.

<b>Acute oral toxicity:</b>	LD50 rat > 5,000 mg/kg
<b>Acute dermal toxicity:</b>	LD50 rabbit > 5,000 mg/kg
<b>Skin irritation:</b>	rabbit May cause transient irritation.
<b>Eye irritation:</b>	rabbit No eye irritation.

## 12. ECOLOGICAL INFORMATION

There is no data available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate this material at a facility that complies with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 31.10.08

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit

TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

#### Literature References: Supplies MSDS

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Version	7.2
Revision date:	31.10.08
Print date:	04/12/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SPARTACUS

**Uses:** Floor sealer

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a preparation.

This product does not contain any substances presenting a health or environmental hazard.

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Skin Exposure:** Wash with water and soap as a precaution. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Thermal decomposition:** Thermal decomposition may yield acrylic monomers.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or gas.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves

**Respiratory protection:** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used for protection against airborne contamination. Reference should be made to Australian Standards AS/NZ 1715, Selection

**Engineering measures:** Use only in area provided with appropriate exhaust ventilation.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Polymer odour
<b>pH:</b>	8.4 – 8.8
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	Non combustible
<b>Vapour pressure:</b>	22.6648 Pa at 20°C Water
<b>Relative vapour density:</b>	<1.0 Water
<b>Water solubility:</b>	Dilutable
<b>Relative density:</b>	1.03 – 1.04
<b>Viscosity, dynamic:</b>	15.000 mPa.s
<b>Evaporation rate:</b>	<1.00 Water
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, and temperature.	storage
<b>Materials to avoid:</b>	No special precautions.	

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is based on profiles of compositionally similar materials.

<b>Acute oral toxicity:</b>	LD50 rat > 5,000 mg/kg
<b>Acute dermal toxicity:</b>	LD50 rabbit > 5,000 mg/kg
<b>Skin irritation:</b>	rabbit May cause transient irritation.
<b>Eye irritation:</b>	rabbit No eye irritation.

## 12. ECOLOGICAL INFORMATION

There is no data available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate this material at a facility that complies with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:**08.08.2008

### Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram



**mg/m<sup>3</sup>**      **Milligrams per cubic metre**  
**miscible**    **Liquids form one homogeneous liquid**  
**ppm**         **Parts per million**  
**wt**            **weight**

**Literature References:** Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08.08.2008
Print date:	23/09/08



MATERIAL SAFETY DATA SHEET

**1. PRODUCT & COMPANY IDENTIFICATION**

**Product Name:** SPITFIRE ADVANCED

**Uses:** Carpet cleaning detergent as pre-spray extraction cleaning.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

**2. HAZARDS IDENTIFICATION**

**Non hazardous according to criteria of NOHSC/ASCC**

**Safety Phrases**

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Identity	Percentage	CAS No.
Anionic Surfactant Blend	< 10	Non Hazardous
Non-ionic Surfactant Blend	< 15	Non Hazardous
Phosphate Salt	< 5	Non Hazardous
2-Butoxyethanol	< 10	111-76-2
Sequestering Agent	< 2	Non Hazardous
Ammonium Hydroxide	< 0.3	1336-21-6
Fragrance	< 1	Non Hazardous
Colour	Trace	Non Hazardous
Preservative	< 0.1	2634-33-5
Water	> 60	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### **Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Reddish Orange
<b>Odour:</b>	Spicy
<b>pH:</b>	8.5 – 9.2
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.04
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, and temperature.	storage
<b>Materials to avoid:</b>	No special precautions.	
<b>Polymerization:</b>	Product will not undergo polymerization.	

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08/08/2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit

TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

**Literature References:** Supplies MSDS

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Version	7.2
Revision date:	18.11.2008
Print date:	04/12/08



MATERIAL SAFETY DATA SHEET

**1. PRODUCT & COMPANY IDENTIFICATION**

**Product Name:** SPITFIRE LAVENDER

**Uses:** Carpet cleaning detergent as pre-spray extraction cleaning.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

**2. HAZARDS IDENTIFICATION**

Non hazardous according to criteria of NOHSC/ASCC

**Safety Phrases**

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Identity	Percentage	CAS No.
Anionic Surfactant Blend	< 10	Non Hazardous
Non-ionic Surfactant Blend	< 15	Non Hazardous
Phosphate Salt	< 5	Non Hazardous
2-Butoxyethanol	< 10	111-76-2
Odourless Mineral Spirits	< 2	64742-41-7
Ammonium Hydroxide	< 1	7664-41-7
Processing Aid	< 2	Non Hazardous
Sequestering Agent	< 2	Non Hazardous
Optical Brightener	< 1	Non Hazardous
Perfume	< 3	Non Hazardous
Colour	Trace	Non Hazardous
Preservative	< 0.1	2634-33-5
Water	> 60	7732-18-5



## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### **Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Purple/Violet
<b>Odour:</b>	Lavender
<b>pH:</b>	9.5 – 10.0
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.04
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08-08-2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.

<b>STEL</b>	<b>Short Term Exposure Limit</b>
<b>TLV</b>	<b>Threshold Limit Value</b>
<b>TWA</b>	<b>Time Weighted Average</b>
<b>UN</b>	<b>United Nations (Number)</b>
<b>deg C (°C)</b>	<b>Degrees Celsius</b>
<b>g</b>	<b>Gram</b>
<b>g/cm<sup>3</sup></b>	<b>Grams per cubic centimetre</b>
<b>g/l</b>	<b>Grams per litre</b>
<b>Immiscible</b>	<b>Liquids are insoluble in each other</b>
<b>kg</b>	<b>Kilogram</b>
<b>kg/m<sup>3</sup></b>	<b>Kilograms per cubic metre</b>
<b>ltr</b>	<b>Litre</b>
<b>m<sup>3</sup></b>	<b>Cubic metre</b>
<b>mg</b>	<b>Milligram</b>
<b>mg/24H</b>	<b>Milligrams per 24 hours</b>
<b>mg/kg</b>	<b>Milligrams per kilogram</b>
<b>mg/m<sup>3</sup></b>	<b>Milligrams per cubic metre</b>
<b>miscible</b>	<b>Liquids form one homogeneous liquid</b>
<b>ppm</b>	<b>Parts per million</b>
<b>wt</b>	<b>Weight</b>

**Literature References:** Supplies MSDS

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Version	7.1
Revision date:	08/08/2008
Print date:	23/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** **SPLASH ALPINE**

**Uses:** Washroom cleaner.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of NOHSC**

**Xi; Irritant**

Risk Phrases R36/38 Irritating to eyes and skin.

Safety Phrases S1 Keep locked up  
S2 Keep out of reach of children

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Sulphamic Acid	< 12	5329-14-6
Citric Acid	< 10	Non Hazardous
Non-ionic Surfactant	< 5	Non Hazardous
Perfume	< 1	Non Hazardous
2-Butoxyethanol	< 3	111-76-2
Colour	Trace	Non Hazardous
Quaternary Ammonium Compound	< 2	63449-41-2
Water	> 60	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, consult a specialist.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective equipment.

Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Blue
<b>Odour:</b>	Alpine
<b>pH:</b>	> 1
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.08 – 1.09
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** Avoid contact with strong alkalies and strong oxidizing agents.

**Polymerization:** Product will not undergo polymerization.



## 11. TOXICOLOGICAL INFORMATION

No data are available for this material.

### Health Effects – Acute

#### Swallowed

Irritating to mouth, throat and digestive system may cause burns.

#### Eye

Irritating to eyes, may cause burns.

#### Skin

Avoid contact with skin. Irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08.08.08

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
ppm	Parts per million
wt	weight

**Literature References:** Supplies MSDS

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Version	8.1
Revision date:	08.08.08
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** **SPLASH CARESS**

**Uses:** Washroom cleaner.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of NOHSC**

**Xi; Irritant**

Risk Phrases R36/38 Irritating to eyes and skin.

Safety Phrases S1 Keep locked up  
S2 Keep out of reach of children

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Sulphamic Acid	< 12	5329-14-6
Citric Acid	< 10	Non Hazardous
Non-ionic Surfactant	< 5	Non Hazardous
Perfume	< 1	Non Hazardous
2-Butoxyethanol	< 3	111-76-2
Colour	Trace	Non Hazardous
Quaternary Ammonium Compound	< 2	63449-41-2
Water	> 60	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, consult a specialist.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective equipment.

Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Light red
<b>Odour:</b>	Floral powdery sweet fragrance
<b>pH:</b>	> 1
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.08 – 1.09
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** Avoid contact with strong alkalies and strong oxidizing agents.

**Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data are available for this material.

### Health Effects – Acute

#### Swallowed

Irritating to mouth, throat and digestive system may cause burns.

#### Eye

Irritating to eyes, may cause burns.

#### Skin

Avoid contact with skin. Irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled  
**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08-08-08

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

**Literature References: Supplies MSDS**

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Version	8.1
Revision date:	08.08.08
Print date:	17/09/08





MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** **SPLASH**

**Uses:** Washroom cleaner.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of NOHSC**

**Xi; Irritant**

Risk Phrases R36/38 Irritating to eyes and skin.

Safety Phrases S1 Keep locked up  
S2 Keep out of reach of children

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Phosphoric Acid	< 18	7664-38-2
2-Butoxyethanol	< 2	111-76-2
Non-ionic Surfactant	< 5	Non Hazardous
Perfume	< 1	Non Hazardous
Ethanol	< 5	64-17-5
Colour	Trace	Non Hazardous
Quaternary Ammonium Compound	< 2	63449-41-2
Water	> 60	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, consult a specialist.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective equipment.

Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Blue
<b>Odour:</b>	Alpine
<b>pH:</b>	> 1
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.08 – 1.09
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** Avoid contact with strong alkalies and strong oxidizing agents.

**Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

Irritating to mouth, throat and digestive system may cause burns.

#### Eye

Irritating to eyes, may cause burns.

#### Skin

Avoid contact with skin. Irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08/08/2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

**Literature References: Supplies MSDS**

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Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

**1. PRODUCT & COMPANY IDENTIFICATION**

**Product Name:** SPRINT 750ml

**Uses:** Spray & wipe cleaner

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

**2. HAZARDS IDENTIFICATION**

**Non hazardous according to criteria of NOHSC/ASCC**

**Safety Phrases**

S24/25 Avoid contact with skin and eyes.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Identity	Percentage	CAS No.
Phosphate Salt	< 2	Non Hazardous
Anionic Surfactant	< 1	Non Hazardous
Non-ionic Surfactant	< 1	Non Hazardous
Sequestering Agent	< 1	Non Hazardous
Butyl Glycol Ether	< 2	111-76-2
Perfume	< 1	Non Hazardous
Preservative	< 0.1	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 60	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### **Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.



## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Yellow
<b>Odour:</b>	Lemon
<b>pH:</b>	11.3 +/- 0.3
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.035
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, and temperature.	storage
<b>Materials to avoid:</b>	No special precautions.	
<b>Polymerization:</b>	Product will not undergo polymerization.	

## 11. TOXICOLOGICAL INFORMATION

No data are available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

#### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08-08-2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram

<b>kg/m<sup>3</sup></b>	<b>Kilograms per cubic metre</b>
<b>ltr</b>	<b>Litre</b>
<b>m<sup>3</sup></b>	<b>Cubic metre</b>
<b>mg</b>	<b>Milligram</b>
<b>mg/24H</b>	<b>Milligrams per 24 hours</b>
<b>mg/kg</b>	<b>Milligrams per kilogram</b>
<b>mg/m<sup>3</sup></b>	<b>Milligrams per cubic metre</b>
<b>miscible</b>	<b>Liquids form one homogeneous liquid</b>
<b>ppm</b>	<b>Parts per million</b>
<b>wt</b>	<b>Weight</b>

**Literature References:** Supplier's MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SPRINT

**Uses:** Spray & wipe cleaner (concentrate).

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Phosphate Salt	<10	Non Hazardous
Anionic Surfactant	< 2	Non Hazardous
Non-ionic Surfactant	< 2	Non Hazardous
Sequestering Agent	< 1	Non Hazardous
Butyl Glycol Ether	< 12	111-76-2
Perfume	< 1	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 60	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## **5. FIRE FIGHTING MEASURES**

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## **7. HANDLING & STORAGE**

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Yellow
<b>Odour:</b>	Lemon
<b>pH:</b>	11.5
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.035
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** No special precautions.

**Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

#### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

#### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

#### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

#### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.



## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08/08/2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

**Literature References:** Supplier's MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** STAINLESS STEEL CLEANER

**Uses:** Stainless steel cleaner, protector and shiner.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Paraffin Oil (food grade)	100	Non Hazardous

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with soap and water. If skin irritation persists seek medical advice.

**Inhalation:** Do not atomise, fine mist can cause severe respiratory problems. Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

No special precautions.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Store away from sources of heat. Do not store near strong oxidizing agents. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Avoid contact with eyes.

**Hand protection:**

**Respiratory protection:** Do not atomise product.

**Engineering measures:** No special precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Odourless
<b>pH:</b>	Not applicable
<b>Boiling point/range:</b>	316°C approximately
<b>Melting point/range:</b>	Not applicable
<b>Flash point:</b>	115°C
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Not soluble
<b>Relative density:</b>	0.84
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Strong oxidizing agents.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data are available for this material.

### Health Effects – Acute

#### Swallowed

Paraffin oil has a laxative effect. May be irritating to digestive system.

#### Eye

May causes eye irritation.

#### Skin

Unlikely to be a problem May be irritating to skin.

#### Inhaled

Do not atomise. Atomised mist entering the lungs could cause severe respiratory problems.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** STEAMROLLER II

**Uses:** Stripper to remove old or dirty sealers and polishes from floors and hard surfaces.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

**Address:** PO Box 142 Artarmon NSW 1570

**ABN:** 65 002 373 319 **ACN:** 002 373 319

**Telephone:** (02) 8868 6888 **8am to 5pm Monday to Friday**

**Fax Number:** (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

## 2. HAZARDS IDENTIFICATION

**Hazardous according to criteria of NOHSC/ASCC**

**Risk Classification:** C; Corrosive.  
Xn; Harmful

### Risk Phrases

R34 Causes burns

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

### Safety Phrases

S1/2 Keep locked up and out of reach of children.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37 Wear suitable protective clothing.

S46 If swallowed, seek medical advice immediately and show this MSDS or product label whenever possible.



### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Monoethanolamine	< 25	141-43-5
2-Butoxyethanol	< 35	111-76-2
Non ionic Surfactant Blend	< 5	Non Hazardous
Potassium Hydroxide	< 3	1310-73-2
Anionic Surfactant Blend	< 5	Non Hazardous
Colour	Trace	Non Hazardous
Fragrance	< 1	Non Hazardous
Water	> 50	7732-18-5

### 4. FIRST AID MEASURES

**Swallowed:** Give 1 or 2 glasses of water to drink. Do Not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. Seek medical attention.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air – avoid becoming a casualty. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

#### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

### 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

#### Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective equipment.  
Keep people away from and upwind of spill/leak.  
Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).  
Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Ensure that eye bath is available and ready for use. Avoid contact with eyes, skin and clothing.  
Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product. The Exposure Standards for 2-Butoxyethanol CAS No: 111-76-2; TWA: 20ppm (96.9mg/m<sup>3</sup>) STEL: 50ppm (242mg/m<sup>3</sup>).  
Absorption through skin may be a significant source of exposure.

### Exposure controls:

**Eye protection:** Wear safety glasses with side-shields.

**Hand protection:** Wear impervious gloves.

**Respiratory protection:** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used for protection against airborne contamination. Reference should be made to Australian Standards AS/NZ 1715, Selection

**Engineering measures:** Use only in a well ventilated area. If handling large amounts a system of local and/or general exhaust is recommended.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Yellowish
<b>Odour:</b>	Pine
<b>pH:</b>	13.5
<b>Boiling point/range:</b>	100-171°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01 – 1.02
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Do not store in metal containers especially aluminium. Incompatible with acids.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data are available for this material.

The information shown is for 2-Butoxyethanol which is present at less than 25%.

### Toxicity Data

Oral LD50 Rat: 470mg/Kg. Skin LD50 Rabbit: 220mg/Kg. Inhaled LC50 Rat: 2211mg/m<sup>3</sup> (4hr).

Skin Irritation Rabbit: Slight irritation. Eye Irritation: Irritation.

Note: No studies are available on the effects of long term exposure in humans. Studies indicate that repeated exposure causes blood, liver and kidney disorders in animals. Deaths in acute studies were generally caused by narcosis or respiratory failure, with kidney failure seen as a secondary cause.

The main toxic effect observed in acute and repeated dose animal studies is haemolysis. The effect varies between species with rats and mice the most susceptible, rabbits less susceptible and guinea-pigs and humans least susceptible. Changes in kidney, liver, spleen and lungs were found in animals exposed by ingestion, inhalation and skin absorption. Deaths usually result from CNS depression, lung damage and kidney injury.

### Health Effects – Acute

**Swallowed**

May be harmful if swallowed. Ingestion may cause irritation of mucous membranes in mouth, pharynx, oesophagus and gastro-intestinal tracts. Symptoms include nausea, headache, vomiting, ataxia (impaired locomotor co-ordination), acidosis, drowsiness, Agitation, insomnia, changes in the blood picture, pulmonary oedema and damage to the liver and kidneys.

**Eye**

Causes eye irritation.

**Skin**

Irritating to skin. Danger of skin absorption.

**Inhaled**

Inhalation causes irritation to the mucus membranes, coughing and dyspnoea. Chronic exposure causes damage to blood cells and blood in urine.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

**Additional information**

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

**13. DISPOSAL CONSIDERATIONS**

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Australian Code For Transport of Dangerous Goods by ROAD and RAIL**

**U.N. Number:** 1719

**U.N. Proper Shipping Name:** CAUSTIC ALKALI LIQUID N.O.S.

**Subsidiary Risk:** N/A

**Packaging Group:** III

**Hazchem Code:** 2R

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** S6

**EPG** CAUSTIC ALKALI LIQUID N.O.S.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08.08.2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram

kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

**Literature References:** Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	04/12/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SUDDEN IMPACT

**Uses:** Spray buff for sealed floors.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Ethylene Glycol Monobutyl Ether	< 10	111-76-2
Non Hazardous Materials	Balance	

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Skin Exposure:** Wash with water and soap as a precaution. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Thermal decomposition:** Thermal decomposition may yield acrylic monomers.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or gas.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses

**Hand protection:** Wear appropriate gloves.

**Respiratory protection:** If working in confined space or poor ventilation use appropriate respiratory protection.

**Engineering measures:** Use only in area provided with appropriate exhaust ventilation.



## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Polymer odour
<b>pH:</b>	8.0 – 9.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	22.6648 Pa at 20°C Water
<b>Relative vapour density:</b>	<1.0 Water
<b>Water solubility:</b>	Dilutable
<b>Relative density:</b>	1.01 – 1.02
<b>Viscosity, dynamic:</b>	Not established
<b>Evaporation rate:</b>	<1.00 Water
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** No special precautions.

## 11. TOXICOLOGICAL INFORMATION

No data are available for this material. The information shown is based on profiles of compositionally similar materials.

<b>Acute oral toxicity:</b>	LD50 rat > 5,000 mg/kg
<b>Acute dermal toxicity:</b>	LD50 rabbit > 5,000 mg/kg
<b>Skin irritation:</b>	Rabbit May cause transient irritation.
<b>Eye irritation:</b>	Rabbit No eye irritation.

## 12. ECOLOGICAL INFORMATION

There is no data available for this product.

### 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate this material at a facility that complies with local, state and federal regulations.

### 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

### 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

### 16. OTHER INFORMATION

**Date of Preparation:** 08.08.8

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit

<b>TLV</b>	<b>Threshold Limit Value</b>
<b>TWA</b>	<b>Time Weighted Average</b>
<b>UN</b>	<b>United Nations (Number)</b>
<b>deg C (°C)</b>	<b>Degrees Celsius</b>
<b>g</b>	<b>Gram</b>
<b>g/cm<sup>3</sup></b>	<b>Grams per cubic centimetre</b>
<b>g/l</b>	<b>Grams per litre</b>
<b>Immiscible</b>	<b>Liquids are insoluble in each other</b>
<b>kg</b>	<b>Kilogram</b>
<b>kg/m<sup>3</sup></b>	<b>Kilograms per cubic metre</b>
<b>ltr</b>	<b>Litre</b>
<b>m<sup>3</sup></b>	<b>Cubic metre</b>
<b>mg</b>	<b>Milligram</b>
<b>mg/24H</b>	<b>Milligrams per 24 hours</b>
<b>mg/kg</b>	<b>Milligrams per kilogram</b>
<b>mg/m<sup>3</sup></b>	<b>Milligrams per cubic metre</b>
<b>miscible</b>	<b>Liquids form one homogeneous liquid</b>
<b>ppm</b>	<b>Parts per million</b>
<b>wt</b>	<b>weight</b>

**Literature References:** Supplies MSDS

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Version	1.1
Revision date:	08.08.08
Print date:	22/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** **SUNSHINE**

**Uses:** Laundry detergent.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of NOHSC**

**Xi;** Irritant

### Risk Phrases

R36/38 Irritating to eyes and skin.

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Sodium Carbonate	< 45	497-19-8
Sodium Metasilicate	> 10	6834-92-0
Inert Material	< 50	Non Hazardous
Anionic Surfactant	< 10	Non Hazardous
Colour	Trace	Non Hazardous
Fragrance	< 1	Non Hazardous

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Wash affected area with plenty of water. If skin irritation persists seek medical advice..

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is a non combustible solid and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Avoid contact with eyes.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Collect material into a suitable container.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes.

**Conditions for safe storage**

Keep container closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

**Exposure controls:**

**Eye protection:** Safety glasses.

**Hand protection:** Wear suitable gloves.

**Engineering measures:** No special precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Granular solid
<b>Colour:</b>	Blue
<b>Odour:</b>	Lemon
<b>pH:</b>	10.5 - 11.5 for 1% solution
<b>Boiling point/range:</b>	Not established
<b>Melting point/range:</b>	Not established
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Soluble
<b>Relative density:</b>	Not determined
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** No special precautions.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system.

#### Eye

May cause eye irritation.

#### Skin

May be irritating to skin with prolonged contact.

#### Inhaled

Not a likely health issue.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation:08-08-2008

### Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

### Literature References: Supplies MSDS

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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Version	7.1
Revision date:	08.08.2008
Print date:	23/09/08





MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SUPAGLOSS 3000

**Uses:** Floor sealer

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a preparation.

This product does not contain any substances presenting a health or environmental hazard.

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Skin Exposure:** Wash with water and soap as a precaution. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Thermal decomposition:** Thermal decomposition may yield acrylic monomers.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or gas.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product.

### **Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves

**Respiratory protection:** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used for protection against airborne contamination. Reference should be made to Australian Standards AS/NZ 1715, Selection

**Engineering measures:** Use only in area provided with appropriate exhaust ventilation.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Polymer odour
<b>pH:</b>	8.2 – 8.8
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	22.6648 Pa at 20°C Water
<b>Relative vapour density:</b>	<1.0 Water
<b>Water solubility:</b>	Dilutable
<b>Relative density:</b>	1.03 – 1.04
<b>Viscosity, dynamic:</b>	15.000 mPa.s
<b>Evaporation rate:</b>	<1.00 Water
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Stable under normal use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.

## 11. TOXICOLOGICAL INFORMATION

No data are available for this material. The information shown is based on profiles of compositionally similar materials.

<b>Acute oral toxicity:</b>	LD50 rat > 5,000 mg/kg
<b>Acute dermal toxicity:</b>	LD50 rabbit > 5,000 mg/kg
<b>Skin irritation:</b>	rabbit May cause transient irritation.
<b>Eye irritation:</b>	rabbit No eye irritation.

## 12. ECOLOGICAL INFORMATION

There is no data available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate this material at a facility that complies with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:**

None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08.08.2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value

TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

#### Literature References: Supplies MSDS

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SUPAGLOSS

**Uses:** Floor sealer

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a preparation.

This product does not contain any substances presenting a health or environmental hazard.

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Skin Exposure:** Wash with water and soap as a precaution. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Thermal decomposition:** Thermal decomposition may yield acrylic monomers.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or gas.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used for protection against airborne contamination. Reference should be made to Australian Standards AS/NZ 1715, Selection

**Engineering measures:** Use only in area provided with appropriate exhaust ventilation.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Polymer odour
<b>pH:</b>	8.4 – 8.8
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	22.6648 Pa at 20°C Water
<b>Relative vapour density:</b>	<1.0 Water
<b>Water solubility:</b>	Dilutable
<b>Relative density:</b>	1.03 – 1.04
<b>Viscosity, dynamic:</b>	15.000 mPa.s
<b>Evaporation rate:</b>	<1.00 Water
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.

## 11. TOXICOLOGICAL INFORMATION

No data are available for this material. The information shown is based on profiles of compositionally similar materials.

<b>Acute oral toxicity:</b>	LD50 rat > 5,000 mg/kg
<b>Acute dermal toxicity:</b>	LD50 rabbit > 5,000 mg/kg
<b>Skin irritation:</b>	rabbit May cause transient irritation.
<b>Eye irritation:</b>	rabbit No eye irritation.



## 12. ECOLOGICAL INFORMATION

There is no data available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate this material at a facility that complies with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:**08.08.2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<            **Less Than**

>            **Greater Than**

**AICS**        **Australian Inventory of Chemical Substances**

**CAS**        **Chemical Abstracts Service (Registry Number)**

**LC50**        **LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.**

<b>LD50</b>	<b>LD stands for “Lethal Dose”. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.</b>
<b>NOHSC</b>	<b>National Occupational Health and Safety Commission.</b>
<b>OECD</b>	<b>Organisation for Economic Co-operation and Development.</b>
<b>PEL</b>	<b>Permissible Exposure Limit.</b>
<b>STEL</b>	<b>Short Term Exposure Limit</b>
<b>TLV</b>	<b>Threshold Limit Value</b>
<b>TWA</b>	<b>Time Weighted Average</b>
<b>UN</b>	<b>United Nations (Number)</b>
<b>deg C (°C)</b>	<b>Degrees Celsius</b>
<b>g</b>	<b>Gram</b>
<b>g/cm<sup>3</sup></b>	<b>Grams per cubic centimetre</b>
<b>g/l</b>	<b>Grams per litre</b>
<b>Immiscible</b>	<b>Liquids are insoluble in each other</b>
<b>kg</b>	<b>Kilogram</b>
<b>kg/m<sup>3</sup></b>	<b>Kilograms per cubic metre</b>
<b>ltr</b>	<b>Litre</b>
<b>m<sup>3</sup></b>	<b>Cubic metre</b>
<b>mg</b>	<b>Milligram</b>
<b>mg/24H</b>	<b>Milligrams per 24 hours</b>
<b>mg/kg</b>	<b>Milligrams per kilogram</b>
<b>mg/m<sup>3</sup></b>	<b>Milligrams per cubic metre</b>
<b>miscible</b>	<b>Liquids form one homogeneous liquid</b>
<b>ppm</b>	<b>Parts per million</b>
<b>wt</b>	<b>weight</b>

#### **Literature References: Supplies MSDS**

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Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** SUPASTAR

**Uses:** Neutral floor cleaning detergent .

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Classified as non-hazardous according to criteria of NOHSC

### Safety Phrases

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Anionic Surfactant	< 10	Non Hazardous
Non-ionic Surfactant	< 5	Non Hazardous
Phosphate Salt	< 10	Non Hazardous
Fragrance	< 1	Non Hazardous
Preservative	< 0.1	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Engineering measures:** No special precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Green
<b>Odour:</b>	Lemon
<b>pH:</b>	7.0 – 7.2
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01 – 1.02
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system.

#### Eye

May cause eye irritation.

#### Skin

May be irritating to skin with prolonged contact.

#### Inhaled

Not a likely health issue. Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	22/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** ALL CLEAR SUPER CONCENTRATE

**Uses:** Window cleaner concentrate.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Not Hazardous according to criteria of NOHSC/ASCC

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Ethanol	< 25	64-17-5
2-Butoxyethanol	< 9	111-76-2
Ammonium Hydroxide	< 1.6	1336-21-6
Anionic Surfactant	< 0.1	Non Hazardous
Non-ionic Surfactant	< 0.5	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 60	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with soap and water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.



## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Store away from sources of heat. Do not store near strong oxidizing agents. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Blue
<b>Odour:</b>	Characteristic
<b>pH:</b>	9.5 – 10.5
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	Not determined
<b>Flash point:</b>	Not determined
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Not soluble
<b>Relative density:</b>	0.935
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo dangerous polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	08.08.2008



MATERIAL SAFETY DATA SHEET

**1. PRODUCT & COMPANY IDENTIFICATION**

**Product Name:** SURGE

**Uses:** Carpet cleaning detergent.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

**2. HAZARDS IDENTIFICATION**

**Hazardous according to criteria of NOHSC/ASCC**

**Hazard Classification:** Xi; Irritant

**Risk Phrases**

R36/37/38 Irritating to eyes, respiratory system and skin.

**Safety Phrases**

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

S36/37 Wear suitable protective clothing.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Identity	Percentage	CAS No.
Sodium metasilicate	< 5	6834-92-0
2-Butoxyethanol	< 12	111-76-2
Tetrapotassium Pyrophosphate	< 5	Non Hazardous
Non ionic Surfactant	< 10	Non Hazardous
Xylene	< 2	95-47-6
Perchloroethylene	< 1	127-18-4
Glycol Ether	< 5	Non Hazardous
Phosphate Ester	< 3	Non Hazardous
Antifoam	< 1	Non Hazardous
Perfume	< 1	Non Hazardous
Processing Aid	< 10	Non Hazardous
Colour	Trace	Non Hazardous
Sequestering Agent	< 1	Non Hazardous
Water	> 60	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, consult a specialist.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or gas.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product. The Exposure Standards for 2-Butoxyethanol CAS No: 111-76-2; TWA: 20ppm (96.9mg/m<sup>3</sup>) STEL: 50ppm (242mg/m<sup>3</sup>).

Absorption through skin may be a significant source of exposure.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used for protection against airborne contamination. Reference should be made to Australian Standards AS/NZ 1715, Selection

**Engineering measures:** Use only in a well ventilated area. If handling large amounts a system of local and/or general exhaust is recommended..

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Blue
<b>Odour:</b>	Spicy aromatic
<b>pH:</b>	11.5 – 12.0
<b>Boiling point/range:</b>	100-171°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.04
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Avoid contact with strong oxidizing agents
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

The information shown is for 2-Butoxyethanol which is present at less than 12%.

### Toxicity Data

Oral LD50 Rat: 470mg/Kg. Skin LD50 Rabbit: 220mg/Kg. Inhaled LC50 Rat: 2211mg/m<sup>3</sup> (4hr).

Skin Irritation Rabbit: Slight irritation. Eye Irritation: Irritation.

Note: No studies are available on the effects of long term exposure in humans. Studies indicate that repeated exposure causes blood, liver and kidney disorders in animals. Deaths in acute studies were generally caused by narcosis or respiratory failure, with kidney failure seen as a secondary cause.

The main toxic effect observed in acute and repeated dose animal studies is haemolysis. The effect varies between species with rats and mice the most susceptible, rabbits less susceptible and guinea-pigs and humans least susceptible. Changes in kidney, liver, spleen and lungs were found in animals exposed by ingestion, inhalation and skin absorption. Deaths usually result from CNS depression, lung damage and kidney injury.

### Health Effects – Acute

#### Swallowed

Harmful if swallowed. Ingestion may cause irritation of mucous membranes in mouth, pharynx, oesophagus and gastro-intestinal tracts. Symptoms include nausea, headache, vomiting, ataxia (impaired locomotor co-ordination), acidosis, drowsiness,

Agitation, insomnia, changes in the blood picture, pulmonary oedema and damage to the liver and kidneys.

#### Eye

Causes eye irritation.

#### Skin

May be harmful by prolonged contact with skin. Danger of skin absorption. Irritating to skin.

#### Inhaled

Inhalation causes irritation to the mucus membranes, coughing and dyspnoea. Chronic exposure causes damage to blood cells and blood in urine.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.



## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08.08.2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value

TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

#### Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	23/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** TANNERS CHOICE PROTECTOR

**Uses:** Leather rejuvenator/protector. For professional use only.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

**Address:** PO Box 142 Artarmon NSW 1570

**ABN:** 65 002 373 319 **ACN:** 002 373 319

**Telephone:** (02) 8868 6888 **8am to 5pm Monday to Friday**

**Fax Number:** (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

## 2. HAZARDS IDENTIFICATION

**Hazardous according to criteria of NOHSC/ASCC**

**Risk Classification:** Xi; Irritant

### Risk Phrases

.R36 Irritating to eyes.

R37 Irritating to respiratory system.

### Safety Phrases

S1/2 Keep locked up and out of reach of children.

S9 Keep container in well ventilated area.

S16 Keep away from sources of ignition – no smoking.

S23 Do not breathe vapour

S24/25 Avoid contact with skin and eyes.

S29 Do not empty into drains.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Di-isobutyl Ketone	30 - < 60	108-83-8
Nitrocellulose	10 - < 30	9004-70-0
Hydrocarbons	10 - < 30	Mixture
Water	10 - < 30	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Give 1 or 2 glasses of water to drink. Do Not induce vomiting. Aspiration may be a hazard if vomiting occurs. Seek immediate medical attention. Contact poisons information centre. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. Seek immediate medical attention.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of soap and water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air – avoid becoming a casualty. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

### **Advice to Doctor**

Because of risk of aspiration, gastric lavage should only be undertaken after endotracheal intubation. The decision to induce vomiting should be made only by a doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** 3[Y]E

### **Special protective precautions and equipment for fire fighters**

Fire fighters should wear full protective equipment including self-contained breathing apparatus. In case of fire material can be explosively reactive. Use water spray to cool fire exposed surface and to protect personnel. If leak or spill has not ignited, use water spray to disperse the vapours and protect men attempting to stop leak. Use foam or dry chemical to extinguish fire. Avoid spraying water directly into storage containers due to the dangers of boilover.

### **Hazards from Combustion Products**

Flammable liquid. Liquid can release vapours that can readily form flammable mixtures at temperatures above the flash point. Product can accumulate static charges which can cause an incendiary discharge. Toxic vapours and gases are generated when this product is involved in a fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Ensure that eye wash is available and ready for use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Store in well ventilated area. Do not breathe vapours, mist or fumes. Observe good hygiene practices and recommended procedures. Wash hands thoroughly after use, especially before eating or smoking.

### Conditions for safe storage

Store in a cool, dry and well ventilated area. Keep container tightly closed and locked up when not in use. Store away from sources of ignition and materials such strong oxidizing agents. Do not store near food stuffs.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

High concentrations of vapour, if exposure is prolonged may cause unconsciousness.

Aspiration of liquid into the lungs can cause serious (even fatal) pneumonitis.

Ingestion of large doses may cause drowsiness and may lead to unconsciousness.

### Exposure standards:

Di-isobutyl ketone TWA 25ppm, 145mg/ m<sup>3</sup>

Dibutyl phthalate TWA 5 mg/ m<sup>3</sup>

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used for protection against airborne contamination. Reference should be made to Australian Standards AS/NZ 1715, Selection

**Engineering measures:** Use only in a well ventilated area. If handling large amounts a system of local and/or general exhaust is recommended.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Thick Liquid
<b>Colour:</b>	White
<b>Odour:</b>	Ketone
<b>pH:</b>	Not Applicable
<b>Boiling point/range:</b>	110°C
<b>Melting point/range:</b>	Not applicable
<b>Flash point:</b>	50°C
<b>Lower explosion limit:</b>	1.2%
<b>Upper explosion limit:</b>	6.7%
<b>Vapour pressure:</b>	25 Kpa
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Dispersible emulsion
<b>Relative density:</b>	0.895
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	80%

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Oxidizing agents, halogens and strong acids.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Toxicity Data

This product is classified as harmful if swallowed. May be harmful by inhalation.

### Health Effects – Acute

#### Swallowed

Harmful if swallowed. Ingestion may cause irritation of mucous membranes in mouth, pharynx, oesophagus and gastro-intestinal tracts. Symptoms include nausea, headache, vomiting, ataxia (impaired locomotor co-ordination), acidosis, drowsiness, Agitation, insomnia, changes in the blood picture, pulmonary oedema and damage to the liver and kidneys.

## TANNERS CHOICE PROTECTOR

### Eye

Contact of vapour with the eyes will cause irritation.

Contact with eyes will cause irritation to mucous membranes.

### Skin

Irritating to skin. Repeated or prolonged contact with skin can cause dermatitis.

### Inhaled

Inhalation causes irritation to the respiratory system. Vapour concentration above exposure limits (TWA) will cause headaches, drowsiness, dizziness and nausea. May cause central nervous system depression.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**UN Number:** 1263

**UN Proper Shipping Name:** PAINT

**Class & Subsidiary Risk:** DG Class 3

**Packing Group:** III

**Special Precautions for User:** Avoid storage or contact with strong oxidising or reducing agents.

**Hazchem Code:** 3[Y]E

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not Scheduled

**EPG** Paint

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08-08-2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight



## TANNERS CHOICE PROTECTOR

### Literature References: Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** TANNERS CHOICE SHAMPOO

**Uses:** Shampoo for cleaning of leather.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Classified as non-hazardous according to criteria of NOHSC

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Anionic Surfactant	< 15	Non Hazardous
Non-ionic Surfactant	< 5	Non Hazardous
Conditioner	< 10	Non Hazardous
Fragrance	< 1	Non Hazardous
Preservative	Trace	Non Hazardous
Water	> 50	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

## TANNERS CHOICE SHAMPOO

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### **Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## **5. FIRE FIGHTING MEASURES**

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing roll in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions:**

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## **7. HANDLING & STORAGE**

### **Handling:**

Avoid contact with eyes.

### **Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure limit(s):** Not established for this product

### **Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Engineering measures:** No special precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Light yellow/brown
<b>Odour:</b>	Leather/Eucalyptus
<b>pH:</b>	7.0 – 8.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Avoid contact with strong oxidizing agents
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data are available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system.

#### Eye

May cause eye irritation.

#### Skin

May be irritating to skin with prolonged contact.

#### Inhaled

Not a likely health issue. Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.08

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

**1. PRODUCT & COMPANY IDENTIFICATION**

**Product Name:** TROUNCE

**Uses:** Carpet extraction detergent.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

**2. HAZARDS IDENTIFICATION**

**Classified as hazardous**

**Risk Phrases**

R36/38 Irritating to eyes and skin.

**Safety Phrases**

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

S37 Wear suitable gloves.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Identity	Percentage	CAS No.
Soda Ash	< 35	497-19-8
Sodium Metasilicate	> 5	6834-92-0
Processing Aid	< 20	15630-89-4
Phosphate Salt	< 50	Non Hazardous
Non-ionic Surfactant	< 5	Non Hazardous
Anionic Surfactant	< 5	Non Hazardous
Sequestering Agent	< 1	Non Hazardous
Fragrance	< 1	Non Hazardous

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Wash affected area with plenty of water. If skin irritation persists seek medical advice.

### **Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is a non combustible solid and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Avoid contact with eyes.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Collect material into a suitable container.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes.

### **Conditions for safe storage**

Keep container closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

### **Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear impervious gloves.

**Engineering measures:** No special precautions.



## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Granular solid
<b>Colour:</b>	White
<b>Odour:</b>	Lemon
<b>pH:</b>	11.4 – 11.9 for 1% solution
<b>Boiling point/range:</b>	Not established
<b>Melting point/range:</b>	Not established
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Soluble
<b>Relative density:</b>	Not determined
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system.

#### Eye

May cause eye irritation.

#### Skin

May be irritating to skin with prolonged contact.

#### Inhaled

Not a likely health issue.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** TRUE GRIT

**Uses:** Industrial hand wash.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

**Poisons Information Centre Telephone: 13 1126**

## 2. HAZARDS IDENTIFICATION

**Hazardous according to criteria of NOHSC/ASCC**

**Xi;** Irritant

### Risk Phrases

R38 Irritating to skin

R43 May cause sensitisation by skin contact.

### Safety Phrases

S25 Avoid contact with eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
C11-C13 Isoparaffin	< 10	90622-58-5
Non ionic Surfactant	< 10	Non Hazardous
D-Limonene	< 5	5989-27-5
Colour	Trace	Non Hazardous
Polyethylene Beads	< 10	Non Hazardous
Preservative	< 0.1	Non Hazardous
Water	> 50	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Wash off with water. If skin irritation persists seek medical advice.

**Inhalation:** Not a likely source of exposure.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes. Wash thoroughly after handling.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure controls:**

**Eye protection:** Avoid contact with eyes

**Hand protection:** Wash of with water

**Respiratory protection:** Not a likely sources of exposure.

**Engineering measures:** No special precautions

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Thick Liquid
<b>Colour:</b>	Yellow
<b>Odour:</b>	Citrus
<b>pH:</b>	6.5 – 7.0
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	Not determined
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	0.96
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

### Health Effects – Acute

#### Swallowed

May cause irritation to digestive system.

#### Eye

May causes eye irritation.

#### Skin

May cause irritation to skin. May cause sensitization by skin contact.

**Inhaled:** Not a likely source of exposure.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label** Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08





MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** TRUSTY

**Uses:** Rust remover for carpet and upholstery fabric.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Emergency: 1800 801 919

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Citric acid	< 20	Non Hazardous
Organic Acid	< 10	Non Hazardous
Oxalic Acid	< 5	144-62-7
Water	> 80	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes and skin. Wash thoroughly after handling. Keep container tightly closed.

Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use. Keep out of reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Odourless
<b>pH:</b>	1.0 – 2.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.00 – 1.02
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Do not store in metal containers.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed. In large quantity could be harmful.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** TUNG OIL SEAL

**Uses:** Sealer/protector for timber floors.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

**Address:** PO Box 142 Artarmon NSW 1570

**ABN:** 65 002 373 319 **ACN:** 002 373 319

**Telephone:** (02) 8868 6888 **8am to 5pm Monday to Friday**

**Fax Number:** (02) 9682 6855

**Poisons Information Centre Telephone:** 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazardous according to criteria of NOHSC/ASCC**

**Risk Classification:** Xn; Harmful

### Risk Phrases

- R38 Irritating to skin.  
R65 May cause lung damage if swallowed.  
R53 May cause long-term adverse effect in the aquatic environment.

### Safety Phrases

- S1/2 Keep locked up and out of reach of children.  
S23 Do not breathe vapour.  
S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37 Wear suitable protective clothing.  
S46 If swallowed, seek medical advice immediately and show this MSDS or product label whenever possible.  
S62 If swallowed do NOT induce vomiting; seek medical attention immediately and show this container or label.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Tung Oil	< 60	95-47-6
Linseed Oil	< 15	111-76-2
Odourless Mineral Spirits	< 15	64-17-5
Curing Agent	< 1	Non Hazardous
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## 4. FIRST AID MEASURES

**Swallowed:** Give 1 or 2 glasses of water to drink. Do Not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. Seek medical attention.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air – avoid becoming a casualty. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

### **Advice to Doctor**

Causes central nervous system depression. Potential for chemical pneumonitis. Consider gastric lavage with protected airway, administration of activated charcoal.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** 3[Y]

### **Special protective precautions and equipment for fire fighters**

Fire fighters should wear full protective equipment including self-contained breathing apparatus. Use water spray to cool fire exposed surface and to protect personnel. If leak or spill has not ignited, use water spray to disperse the vapours and protect men attempting to stop leak. Use foam or dry chemical to extinguish fire. Avoid spraying water directly into storage containers due to the dangers of boilover.

### **Hazards from Combustion Products**

Flammable liquid. Liquid can release vapours that can readily form flammable mixtures at temperatures above the flash point. Product can accumulate static charges which can cause an incendiary discharge. Toxic vapours and gases such as carbon monoxide are generated when this product is involved in a fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective equipment.  
Keep people away from and upwind of spill/leak.  
Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).  
Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Ensure that eye bath is available and ready for use. Avoid contact with eyes, skin and clothing. Avoid breathing vapours. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes. Observe good hygiene practices and recommended procedures. Wash hands thoroughly after use, especially before eating or smoking. Use only in well ventilated area.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed and locked up when not in use. Store away from sources of ignition and materials such strong oxidizing agents. Do not store near food stuffs.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product. The Exposure Standards recommendation for this type of product is:

Isoparaffinic Solvents

TWA: 1200mg/ m<sup>3</sup>

### Exposure controls:

**Eye protection:** Safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used for protection against airborne contamination. Reference should be made to Australian Standards AS/NZ 1715, Selection

**Engineering measures:** Use only in a well ventilated area. If handling large amounts a system of local and/or general exhaust is recommended.



## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Light Brown
<b>Odour:</b>	Odourless
<b>pH:</b>	Not Applicable
<b>Boiling point/range:</b>	Not established
<b>Melting point/range:</b>	Not applicable
<b>Flash point:</b>	35°C
<b>Lower explosion limit:</b>	Not established
<b>Upper explosion limit:</b>	Not established
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	0.87
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Oxidizing agents, halogens and strong acids.

**Safe work practice:** Soaked rags and sawdust can spontaneously combust and is a potential fire hazard. Wash soaked rags before disposal. Never soak up spills with sawdust or other combustible materials.

## 11. TOXICOLOGICAL INFORMATION

No data are available for this material.

### Toxicity Data

This product is classified as harmful if swallowed. May be harmful by inhalation.

### Health Effects – Acute

#### Swallowed

Harmful if swallowed. Ingestion may cause irritation of mucous membranes in mouth, pharynx, oesophagus and gastro-intestinal tracts. Symptoms include nausea, headache, vomiting, ataxia (impaired locomotor co-ordination), acidosis, drowsiness, Agitation, insomnia, changes in the blood picture, pulmonary oedema and damage to the liver and kidneys.

#### Eye

Causes eye irritation.

**Skin**

Irritating to skin. Danger of skin absorption. De-fating of skin can cause drying, cracking and dermatitis.

**Inhaled**

Inhalation causes irritation to the mucus membranes, coughing and dyspnoea. Chronic exposure causes damage to blood cells and blood in urine. Vapour concentration above exposure limits (TWA) may cause headaches, drowsiness and dizziness, could be anaesthetic and may have other central nervous system effects.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

**Additional information**

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

**13. DISPOSAL CONSIDERATIONS**

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

**14. TRANSPORT INFORMATION**

**UN Number:** 1268

**UN Proper Shipping Name:** PETROLEUM PRODUCTS N.O.S.

**Class & Subsidiary Risk:** DG Class 3

**Packing Group:** III

**Special Precautions for User:** Avoid storage or contact with strong oxidising or reducing agents.

**Hazchem Code:** 3[Y]

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** 6

**EPG** PETROLEUM PRODUCTS N.O.S.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08.08.2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

**Literature References:** Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** TURBO DRY OXYGENATOR

**Uses:** Carpet cleaning stain remover.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Not classified as hazardous by criteria of NOHSC

### Safety Phrases

S2 Keep out of reach of children.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Inert Salt	< 60	Non Hazardous
Phosphate Salt	< 15	Non Hazardous
Sodium Carbonate Peroxyhydrate	< 35	15630-89-4
Citric Acid	< 10	Non Hazardous
Optical Brightener	< 1	Non Hazardous

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Wash affected area with plenty of water. If skin irritation persists seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Avoid contact with eyes.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Collect material into a suitable container.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes.

### **Conditions for safe storage**

Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

### **Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Engineering measures:** No special precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Granular solid
<b>Colour:</b>	White
<b>Odour:</b>	Odourless
<b>pH:</b>	10.5 – 11.0 for 1% solution
<b>Boiling point/range:</b>	Not established
<b>Melting point/range:</b>	Not established
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Soluble
<b>Relative density:</b>	Not determined
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system.

#### Eye

May cause eye irritation.

#### Skin

May be irritating to skin with prolonged contact.

#### Inhaled

Not a likely health issue.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.



## 16. OTHER INFORMATION

Date of Preparation:08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

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Version	7.1
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Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

**1. PRODUCT & COMPANY IDENTIFICATION**

**Product Name:** TURBODRY SOIL RELEASE

**Uses:** Dry extraction carpet cleaner and deodoriser.

**Supplier Details:** Wedina Holdings trading as: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

**2. HAZARDS IDENTIFICATION**

Non hazardous according to criteria of NOHSC/ASCC

**Safety Phrases**

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Identity	Percentage	CAS No.
2- Butoxyethanol	< 6	111-76-2
Non ionic Surfactant	< 10	Non Hazardous
Anionic Surfactant	< 10	Non Hazardous
Ethanol	< 11	64-17-5
White Spirits	< 4	64742-82-1
Perfume	< 1	Non Hazardous
Phosphate Salt	< 5	Non Hazardous
Water	> 60	7732-18-5

**4. FIRST AID MEASURES**

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, consult a specialist.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Pale Yellow
<b>Odour:</b>	Floral
<b>pH:</b>	8.5
<b>Boiling point/range:</b>	Not Determined
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Avoid contact with strong oxidizing agents
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data are available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
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NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** TWICE THE SPICE

**Uses:** General purpose disinfectant deodoriser.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Non hazardous according to criteria of NOHSC/ASCC**

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Quaternary Ammonium Compound	< 5	6834-92-0
Non ionic Surfactant	< 10	Non Hazardous
Perfume	< 3	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, consult a specialist.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area



## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Brown
<b>Odour:</b>	Spicy
<b>pH:</b>	6.0 – 7.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	Avoid contact with strong oxidizing agents
<b>Polymerization:</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is for Quaternary Ammonium Compound which is less than 5% of product.

### Toxicity Data

Oral LD50 Rat: 500-2000mg/kg.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 08.08.2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Uncontrolled document. Please ensure you have the current copy.**

Version	7.1
Revision date:	08.08.2008
Print date:	17/09/08



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** ANTI-STATIC FLOOR SEALER

**Uses:** Floor sealer with anti-static properties.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC

**Poisons Schedule:** Not scheduled

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a preparation.

This product does not contain any substances presenting a health or environmental hazard.

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Skin Exposure:** Wash with water and soap as a precaution. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

**Thermal decomposition:** Thermal decomposition may yield acrylic monomers.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or gas.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** No special precautions.

**Engineering measures:** Normal ventilation.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Polymer odour
<b>pH:</b>	8.0 – 9.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	22.6648 Pa at 20°C Water
<b>Relative vapour density:</b>	<1.0 Water
<b>Water solubility:</b>	Dilutable
<b>Relative density:</b>	1.03 – 1.04
<b>Viscosity, dynamic:</b>	15.000 mPa.s
<b>Evaporation rate:</b>	<1.00 Water
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** No special precautions.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown is based on profiles of compositionally similar materials.

<b>Acute oral toxicity:</b>	LD50 rat > 5,000 mg/kg
<b>Acute dermal toxicity:</b>	LD50 rabbit > 5,000 mg/kg
<b>Skin irritation:</b>	rabbit May cause transient irritation.
<b>Eye irritation:</b>	rabbit No eye irritation.

## 12. ECOLOGICAL INFORMATION

There is no data available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate this material at a facility that complies with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08-08-2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value

<b>TWA</b>	<b>Time Weighted Average</b>
<b>UN</b>	<b>United Nations (Number)</b>
<b>deg C (°C)</b>	<b>Degrees Celsius</b>
<b>g</b>	<b>Gram</b>
<b>g/cm<sup>3</sup></b>	<b>Grams per cubic centimetre</b>
<b>g/l</b>	<b>Grams per litre</b>
<b>Immiscible</b>	<b>Liquids are insoluble in each other</b>
<b>kg</b>	<b>Kilogram</b>
<b>kg/m<sup>3</sup></b>	<b>Kilograms per cubic metre</b>
<b>ltr</b>	<b>Litre</b>
<b>m<sup>3</sup></b>	<b>Cubic metre</b>
<b>mg</b>	<b>Milligram</b>
<b>mg/24H</b>	<b>Milligrams per 24 hours</b>
<b>mg/kg</b>	<b>Milligrams per kilogram</b>
<b>mg/m<sup>3</sup></b>	<b>Milligrams per cubic metre</b>
<b>miscible</b>	<b>Liquids form one homogeneous liquid</b>
<b>ppm</b>	<b>Parts per million</b>
<b>wt</b>	<b>weight</b>

**Literature References:** Supplies MSDS

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***Uncontrolled document. Please ensure you have the current copy.***

Version	7.1
Revision date:	08.08.08
Print date:	16/09/08





MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** ANTI-STATIC TREATMENT

**Uses:** Anti-static agents for fibres and floor.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Emergency: 1800 801 919

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Non hazardous according to criteria of NOHSC/ASCC

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Anionic Surfactant	< 20	Non Hazardous
Perfume	< 1	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 80	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. Never give anything by mouth to an unconscious person. If feeling unwell seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, consult a specialist.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

**Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Material can create slippery conditions.

**Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

**Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

**Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** There is no exposure data for this product.

**Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** Avoid breathing fumes.

**Engineering measures:** Use only in a well ventilated area

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Dark brown
<b>Odour:</b>	Spicy
<b>pH:</b>	6.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.03
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo dangerous polymerization.

## 11. TOXICOLOGICAL INFORMATION

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system if swallowed.

#### Eye

May causes eye irritation.

#### Skin

Avoid contact with skin. May be irritating to skin.

#### Inhaled

Avoid breathing vapour, spray or fumes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** Not scheduled

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation:08-08-2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	16/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** **ARMOURCOAT**

**Uses:** Leather and vinyl protector.

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

**Classified as non-hazardous according to criteria of NOHSC**

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Silicone emulsion	< 30	Non Hazardous
Water	> 70	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

**Advice to Doctor** Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes.

### Conditions for safe storage

Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Engineering measures:** No special precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky white
<b>Odour:</b>	Low odour
<b>pH:</b>	7.0 +/- 0.3
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Vapour pressure:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.0
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** No special precautions.

**Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system.

#### Eye

May cause eye irritation.

#### Skin

May be irritating to skin with prolonged contact.

#### Inhaled

Not a likely health issue.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.



## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08-08-2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.

STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

Literature References: Supplies MSDS

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Version	7.1
Revision date:	08.08.2008
Print date:	16/09/08



MATERIAL SAFETY DATA SHEET

**1. PRODUCT & COMPANY IDENTIFICATION**

**Product Name:** AUTOBRIGHT  
**Uses:** Car and truck wash detergent.  
**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS  
**Address:** PO Box 142 Artarmon NSW 1570  
**ABN** 65 002 373 319 **ACN:** 002 373 319  
**Telephone:** (02) 8868 6888 8am to 5pm Monday to Friday  
**Fax Number:** (02) 9682 6855  
**Poisons Information Centre Telephone:** 13 1126

**2. HAZARDS IDENTIFICATION**

**Classified as non-hazardous according to criteria of NOHSC**  
**Safety Phrases**  
S2 Keep out of reach of children.  
S24/25 Avoid contact with skin and eyes.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Identity	Percentage	CAS No.
Anionic surfactant	< 5	Non Hazardous
Colour	Trace	Non Hazardous
Phosphate Salt	< 5	Non Hazardous
Fragrance	< 1	Non Hazardous
Preservative	Trace	Non Hazardous
Water	> 50	7732-18-5

**4. FIRST AID MEASURES**

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.  
**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.  
**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.  
**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.  
**Advice to Doctor**  
Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Material can create slippery conditions.

### Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### Handling:

Avoid contact with eyes.

### Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

### Exposure controls:

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Engineering measures:** No special precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Reddish pink
<b>Odour:</b>	Lemon
<b>pH:</b>	7.0 – 8.0
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.02
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

- Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.
- Materials to avoid:** No special precautions.
- Polymerization:** Product will not undergo dangerous polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system.

#### Eye

May cause eye irritation.

#### Skin

May be irritating to skin with prolonged contact.

#### Inhaled

Not a likely health issue.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:**08.08.2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre

Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

**Literature References:** Supplies MSDS

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Version	7.1
Revision date:	04.09.2008
Print date:	16/09/08



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** B-BRITE

**Uses:** Cleaner and polish for shiny surfaces

**Supplier Details:** Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

ABN 65 002 373 319 ACN: 002 373 319

Telephone: (02) 8868 6888 8am to 5pm Monday to Friday

Fax Number: (02) 9682 6855

Poisons Information Centre Telephone: 13 1126

## 2. HAZARDS IDENTIFICATION

Classified as non-hazardous according to criteria of NOHSC

### Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Silicone emulsion	< 10	Non Hazardous
Fragrance	< 1	Non Hazardous
Colour	Trace	Non Hazardous
Water	> 50	7732-18-5

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.



## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes.

### **Conditions for safe storage**

Keep container closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s):** Not established for this product

### **Exposure controls:**

**Eye protection:** Wear safety glasses.

**Hand protection:** Wear suitable gloves.

**Engineering measures:** No special precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Milky Yellow
<b>Odour:</b>	Lemon
<b>pH:</b>	7.0 – 7.5
<b>Boiling point/range:</b>	100°C Water
<b>Melting point/range:</b>	<0°C Water
<b>Flash point:</b>	Non combustible
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.01
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Hazardous Reactions:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Materials to avoid:</b>	No special precautions.
<b>Polymerization:</b>	Product will not undergo dangerous polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### Health Effects – Acute

#### Swallowed

May be irritating to digestive system.

#### Eye

May cause eye irritation.

#### Skin

May be irritating to skin with prolonged contact.

#### Inhaled

Not a likely health issue.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 04.09.08

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
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NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	weight

**Literature References:** Supplies MSDS

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Version	7.1
Revision date:	04/09/2008
Print date:	23/09/08