



Section 1 - Identification of The Material and Supplier

Aqua Seal STC™

Unit 7, 38 Waratah Street

Kirrawee NSW 2232 Australia

Phone: +61 2 9521-4000

Fax: +61 2 9521-5222

<http://www.aqua-seal.com.au/>

Chemical nature:

Water solution of ingredients.

Trade Name:

Deep Clean Pro™ Liquid – Part 1

Other Names:

This is the first part of a two part system.

Product Code:

101-000

Product Use:

Highly concentrated, 2-part heavy-duty cleaner and degreaser for natural stone, tile, grout, masonry and concrete.

Creation Date:

September, 2011

This version issued:

September, 2011 and is valid for 5 years from this date.

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: C, Corrosive. Hazardous according to the criteria of SWA.

Dangerous according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: R34. Causes burns.

Safety Phrases: S23, S28, S24/25, S36/39. Do not breathe vapours or mists. After contact with skin, wash immediately with plenty of water. Avoid contact with skin and eyes. Wear suitable protective clothing and eye/face protection.

SUSMP Classification: S5

ADG Classification: Class 8: Corrosive Substances.

UN Number: 1824, SODIUM HYDROXIDE SOLUTION

Emergency Overview

Physical Description & Colour: Light yellow coloured liquid.

Odour: Slight odour.

Major Health Hazards: causes burns, skin irritant.

Potential Health Effects

Inhalation:

Short Term Exposure: Available data indicates that this product is irritating, although unlikely to cause anything more than mild transient discomfort. If liquid enters nasal passages, it will cause pain and burn nasal membranes. Patients with inhalation burns may develop acute pulmonary oedema.

Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short Term Exposure: Available data indicates that this product is corrosive to the skin. Capable of causing moderate to severe burns with ulceration. Can penetrate to deeper layers of skin, resulting in third degree burns. Corrosion will continue until product is removed or neutralised. Severity depends on concentration and duration of exposure. Burns may not be immediately painful; the onset of pain may be minutes to hours.

Long Term Exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

Short Term Exposure: This product is corrosive to eyes. It will cause severe pain, and corrosion of the eye and surrounding facial tissues. Unless exposure is quickly treated, permanent blindness and facial scarring is likely.

Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short Term Exposure: Significant oral exposure is considered to be unlikely. However, this product is a severe oral irritant. Symptoms may include extreme pain and reddening of skin in mouth and throat. Other symptoms such as blisters may also become evident, and may last long after exposure has ceased.

Long Term Exposure: No data for health effects associated with long term ingestion.

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Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m ³)	STEL (mg/m ³)
Sodium hydroxide	1310-73-2	3-4	2	Peak
Other non hazardous ingredients	secret	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation: No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

Skin Contact: Flush contaminated area with lukewarm, gently flowing water for at least 40 minutes, by the clock. DO NOT INTERRUPT FLUSHING. If necessary, keep emergency vehicle waiting (show paramedics this MSDS and take their advice). Under running water, remove contaminated clothing, shoes and leather goods (eg watchbands and belts). Strongly basic ingredients tend to penetrate the skin and so need longer rinsing than other substances. If irritation persists, repeat flushing. Seek medical attention.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 20-30 minutes, by the clock, while holding the eyelid(s) open. Neutral saline solution may be used as soon as it is available. DO NOT INTERRUPT FLUSHING. If necessary, keep emergency vehicle waiting (show paramedics this MSDS and take their advice). Take care not to rinse contaminated water into the unaffected eye or onto face. If irritation persists, repeat flushing. Call a Poisons Information Centre or a doctor urgently. Take special care if exposed person is wearing contact lenses.

Ingestion: If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is little risk of an explosion from this product if commercial quantities are involved in a fire. Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: Not Combustible. Use extinguishing media suited to burning materials. Water fog or fine spray is the preferred medium for large fires. Aim to dilute the material with large quantities of water. If practical, contain diluted material and prevent from entering drains and water courses.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade. There is little danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Recommended personal protective equipment is liquid-tight chemical protective clothing and breathing apparatus. Cool closed, undamaged containers exposed to fire with water spray.

Flash point: Does not burn.

Upper Flammability Limit: Does not burn.

Lower Flammability Limit: Does not burn.

Autoignition temperature: Not applicable - does not burn.

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Flammability Class: Does not burn.

Section 6 - Accidental Release Measures

Accidental release: This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, clean up, rinsing to sewer and put empty container in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Store in a cool, well ventilated area. Check containers periodically for corrosion and leaks. Containers should be kept closed in order to minimise contamination. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. If you keep more than 2500kg or L of Dangerous Goods of Packaging Group II, you may be required to license the premises or notify your Dangerous Goods authority. If you have any doubts, we suggest you contact your Dangerous Goods authority in order to clarify your obligations. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m³)	STEL (mg/m³)
Sodium hydroxide	2	Peak

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Eye Protection: Your eyes must be completely protected from this product by splash resistant goggles with face shield. All surrounding skin areas must be covered. Emergency eye wash facilities must also be available in an area close to where this product is being used.

Skin Protection: Because of the dangerous nature of this product, make sure that all skin areas are completely covered by impermeable gloves, overalls, hair covering, apron and face shield. See below for suitable material types.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, Viton, nitrile, butyl rubber, Barricade, neoprene, Teflon, polyethylene, PE/EVAL, Saranex, Responder.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above. Otherwise, not normally necessary.

Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Light yellow coloured liquid.
Odour:	Slight odour.
Boiling Point:	Approximately 100°C at 100kPa.
Freezing/Melting Point:	Below 0°C.
Volatiles:	Water component.
Vapour Pressure:	2.37 kPa at 20°C (water vapour pressure).
Vapour Density:	No data.
Specific Gravity:	1.04
Water Solubility:	Completely soluble in water.
pH:	13 approx
Volatility:	No data.

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Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data
Autoignition temp:	Not applicable - does not burn.

Section 10 - Stability and Reactivity

Reactivity: Most strong alkalis and bases react with inorganic and organic acids to form salts. They can also react with some metals liberating hydrogen gas. These reactions may be rapid and sometimes liberate much heat. They can also decompose many organic materials such as esters, in a reaction called hydrolysis.

Conditions to Avoid: Keep containers tightly closed.

Incompatibilities: acids, strong oxidising agents, zinc, tin, aluminium and their alloys.

Fire Decomposition: Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and smoke. Water is also formed. Sodium compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Local Effects:

Target Organs: There is no data to hand indicating any particular target organs.

Classification of Hazardous Ingredients

Ingredient	Risk Phrases
Sodium Hydroxide	$\geq 2\% \text{Conc} < 5\%: C; R34$

Section 12 - Ecological Information

Insufficient data to be sure of status. However, until diluted or neutralised it will kill all aquatic organisms it contacts due to extreme pH.

Section 13 - Disposal Considerations

Disposal: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

Section 14 - Transport Information

ADG Code: 1824, SODIUM HYDROXIDE SOLUTION

Hazchem Code: 2R

Special Provisions: None allocated

Limited quantities: ADG 7 specifies a Limited Quantity value of 1 L for this class of product.

Dangerous Goods Class: Class 8: Corrosive Substances.

Packaging Group: II

Packaging Method: P001, IBC02

Class 8 Corrosive Substances shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 4.3 (Dangerous When Wet Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), 6 (Toxic Substances where the Toxic Substances are cyanides and the Corrosives are acids), 7 (Radioactive Substances), Foodstuffs and foodstuff empties. They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.1 (Flammable Gases), 2.2 (Non-Flammable, Non-Toxic Gases), 2.3 (Poisonous Gases), 3 (Flammable liquids), 4.1 (Flammable Solids), 4.2 (Spontaneously Combustible Substances), 6 (Toxic Substances except where the Toxic Substances are cyanides and the Corrosives are acids) and 9 (Miscellaneous Dangerous Goods).

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

The following ingredient: Sodium hydroxide, is mentioned in the SUSMP.

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Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

MATERIAL SAFETY DATA SHEET



Section 1 - Identification of The Material and Supplier

Aqua Seal STC™
Unit 7, 38 Waratah Street
Kirrawee NSW 2232 Australia

Phone: +61 2 9521-4000
Fax: +61 2 9521-5222
<http://www.aqua-seal.com.au/>

Chemical nature: Alkaline salts and other ingredients.

Trade Name: **Deep Clean Pro™ Powder**

Other Names: This is the second part of a two part system.

Product Code: 101-000

Product Use: Highly concentrated, 2-part heavy-duty cleaner and degreaser for natural stone, tile, grout, masonry and concrete.

Creation Date: **September, 2011**

This version issued: **September, 2011** and is valid for 5 years from this date.

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Xi, Irritating. Hazardous according to the criteria of SWA.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: R36/38. Irritating to eyes and skin.

Safety Phrases: S22, S36, S24/25. Do not breathe dust. Wear suitable protective clothing. Avoid contact with skin and eyes.

SUSMP Classification: None allocated.

ADG Classification: None allocated. Not a Dangerous Good under the ADG Code.

UN Number: None allocated

Emergency Overview

Physical Description & Colour: Faint yellow coloured powder.

Odour: Slight odour.

Major Health Hazards: irritating to eyes and skin.

Potential Health Effects

Inhalation:

Short Term Exposure: Available data indicates that this product is not harmful. However product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort.

Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. However product is a skin irritant. Symptoms may include itchiness and reddening of contacted skin. Other symptoms may also become evident, but all should disappear once exposure has ceased.

Long Term Exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

Short Term Exposure: This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment may cause permanent damage.

Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short Term Exposure: Significant oral exposure is considered to be unlikely. However, this product is an oral irritant. Symptoms may include burning sensation and reddening of skin in mouth and throat. Other symptoms may also become evident, but all should disappear once exposure has ceased.

Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

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SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m ³)	STEL (mg/m ³)
Alkaline salts		10-30	not set	not set
Other non hazardous ingredients	secret	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation: No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

Skin Contact: Quickly and gently brush away excess particles. Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) for 10-20 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.

Eye Contact: Quickly and gently brush particles from eyes. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.

Ingestion: If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: Suitable extinguishing media are carbon dioxide, dry chemical, foam, water fog.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: No data

Upper Flammability Limit: No data.

Lower Flammability Limit: No data.

Autoignition temperature: No data.

Flammability Class: No data.

Section 6 - Accidental Release Measures

Accidental release: In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber. Eye/face protective equipment should comprise as a minimum, protective goggles. If there is a significant chance that dusts are likely to build up in cleanup area, we recommend that you use a suitable Dust Mask. Otherwise, not normally necessary. Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Consider vacuuming if appropriate. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters

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drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Store packages of this product in a cool place. Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits

TWA (mg/m³)

STEL (mg/m³)

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Eye Protection: Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.

Skin Protection: Prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber.

Respirator: If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a suitable Dust Mask. Otherwise, not normally necessary.

Eyebaths or eyewash stations and safety deluge showers should be provided near to where this product is being handled commercially.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Faint yellow coloured powder.
Odour:	Slight odour.
Boiling Point:	Not available.
Freezing/Melting Point:	No specific data. Solid at normal temperatures.
Volatiles:	No specific data. Expected to be low at 100°C.
Vapour Pressure:	Negligible at normal ambient temperatures.
Vapour Density:	Not applicable.
Specific Gravity:	1.25
Water Solubility:	Soluble.
pH:	7.5 (in water solution).
Volatility:	Negligible at normal ambient temperatures.
Odour Threshold:	No data.
Evaporation Rate:	Not applicable.
Coeff Oil/water Distribution:	No data
Viscosity:	Not applicable.
Autoignition temp:	No data.

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

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Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Containers should be kept dry.

Incompatibilities: Avoid water-reactive materials, heat or contact with peroxides or other catalysts.

Fire Decomposition: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Local Effects:

Target Organs: There is no data to hand indicating any particular target organs.

Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.

Section 12 - Ecological Information

Insufficient data to be sure of status.

Section 13 - Disposal Considerations

Disposal: This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to separate the contamination in some way. Only if neither of these options is suitable, consider landfill.

Section 14 - Transport Information

ADG Code: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredient: Alkaline salts, is mentioned in the SUSMP.

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

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Aqua Seal STC™ Unit 7, 38 Waratah Street Kirrawee NSW 2232 Australia	Phone: +61 2 9521-4000 Fax: +61 2 9521-5222 http://www.aqua-seal.com.au/
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Trade Name: Enhance'N'Seal™

Product Code: 160-000

Product Use: Enhanced look impregnating sealer to provide water & stain resistance to stone, tile, grout, concrete & masonry

Creation Date: August, 2011

This version issued: August 2011 and is valid for 5 years from this date.

Section 2 - Hazards Identification

Hazardous according to criteria of the Australian Safety & Compensation Council (ASCC), formerly (NOHSC).
 Classified by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail as a Flammable Liquid Class 3.

NOT a Scheduled Poison

RISK: HIGHLY FLAMMABLE IRRITANT.

Irritating to eyes and skin

Risk of fire

Safety-phrases: Keep locked up and out of the reach of children

Keep container tightly closed and in a well-ventilated place

Keep away from sources of ignition — No smoking – rec

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

Wear suitable protective clothing, gloves and eye/face protection

In case of fire use dry powder, carbon dioxide or foam. Never use water

Avoid contact with skin and eyes and avoid breathing vapours

Section 3 - Composition/Information on Ingredients

CHEMICAL ENTITY	CAS No	PROPORTION W/W %
Triethoxyoctylsilane	2943-75-1	7 – 13
Hexyltrimethoxysilane	3069-19-0	3 – 7
Titaniumtetrabutanolate	5593-70-4	1 – 3
Methanol	67-56-1	1 – 3
n-Butanol	71-36-3	0.1 - 1

The balance of the ingredients are considered to be non-hazardous.

This is a commercial product whose exact ratio of components may vary slightly.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Ingestion: If swallowed do NOT induce vomiting: seek medical advice immediately and show this container or label.

Eye contact: If in eyes, hold eyelids open and flush continuously with water for 15 minutes or until instructed to stop by Poisons Information Centre.

Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Inhalation: Remove to fresh air. Provide artificial respiration if not breathing. Get urgent medical assistance.

Notes to physician: Suggest intubation BEFORE any emesis.

MATERIAL SAFETY DATA SHEET



Section 5 - Fire Fighting Measures

Suitable extinguishing media: Foams, CO2 or dry powder. Do NOT use water.

Specific hazards: Hot containers may burst causing scalds and spread of fire.

Fire fighting further advice: Wear full protective gear including air fed masks in confined spaces. Keep containers cool with water fog or spray.

Hazchem Code: 3 [Y] E

Section 6 - Accidental Release Measures

Emergency procedures: Contain. Extinguish all sources of ignition. For small spills absorb into earth or sand. For larger spills transfer to steel containers and label as for product for transport to disposal. Rinse area with water.

Section 7 - Handling and Storage

Conditions for Safe Storage: Store according to Federal, State or Local regulations as for a FLAMMABLE LIQUID CLASS 3.

Precautions for safe handling. Wear protective gear including gloves.

Section 8 - Exposure Controls and Personal Protection

National occupational exposure limits

No value assigned for this specific material by the Australian Safety and Compensation Council. Use TWA of 10 mg/Cubic metre as a maximum. As published by the Australian Safety and Compensation Council

Engineering measures: Ensure that ventilation is sufficient to keep concentrations in air to well BELOW the Flammability limits.

Personal protection equipment: Goggles, gloves, solvent absorbing respirator or air fed masks if concentrations are high and solvent resistant boots.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Liquid, clear yellow
Odour:	Characteristic low odour
Boiling Point (°C):	275
Melting point (C):	< 0
Vapour Pressure (20°C) kPa:	12.3 (methanol)
Rel. Vapour density (air=1):	Not determined
Specific gravity (20°C):	1.1
Solubility:	Insoluble in water.
pH as supplied @ 25°C:	not relevant
Decomposition Point (°C):	>100
Flash Point (°C) Closed cup:	20.
Flammability Limits (%):	5.5 to 45 (methanol)
Autoignition temp (°C):	Not determined.
Voc w/v:	84 g/L

Section 10 - Stability and Reactivity

Stability: Stable to over 60 °C.

Hazardous decomposition products: In fires CO2, CO, alcohols and partially burned hydrocarbons.

Section 11 - Toxicological Information

No adverse effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Acute Effects:

Ingestion: : Irritant. May cause chemical pneumonitis if swallowed leading to entry to lungs.

Eye contact: Irritant. Prompt flushing with water will reduce the effects

Skin contact: Wash with solvent and then soap and water

Inhalation: Can cause chemical pneumonitis on entry to lungs. Conditions and method of use MUST preclude mists and vapours.

Long Term Effects: Prolonged or repeated skin contact can result in cracking of the skin leading to contact dermatitis. Poison Information Centres in each State capital city can provide additional assistance for Scheduled Poisons: Phone (Australia 13 1126)

Acute toxicity / Chronic toxicity: No data available for product, but an estimate based on components is >3000 mg/kg
Carcinogenicity No component listed by ACGIH, IARC, NTP, or CA Prop 65

MATERIAL SAFETY DATA SHEET



Section 12 - Ecological Information

Ecotoxicity: Expected to be toxic to the aquatic environment.

Persistence/Degradability: Low biodegradability and low solubility minimises effects combined with low bioaccumulation.

Mobility: Not expected to be mobile in aquatic systems.

Section 13 - Disposal Considerations

Disposal: Dispose according to Local, State or federal regulations for a flammable liquid

Section 14 - Transport Information

Classified by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail as Flammable

ADG Code: Liquid Class 3. Flammable Liquid, n.o.s. (Siloxane resins),

UN No: 1993

Hazchem Code: 3 [Y] E

Packaging Group: II

Segregation Dangerous Goods: segregate from Classes 4 and 5.

Section 15 - Regulatory Information

Hazardous to criteria of the Australian Safety and Compensation Council.

Classified by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail as a Flammable Liquid Class 3.

Flammable Liquid, n.o.s. (Siloxane resins),

UNNo 1993 HAZCHEM 3[Y]E CLASS 3 PG II.

Poisons schedule: None allocated.

All of the constituents of this material are listed in the Australian Inventory of Chemical Substances.

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

MATERIAL SAFETY DATA SHEET

Enhance'N'Seal™

Premium Sealer & Enhancer

DESCRIPTION

Aqua-Seal STC™ Enhance'N'Seal™ is a below surface, sealer formulated to provide maximum stain resistance and also enhance and highlight porous unsealed surfaces. Can also be used as a pre-grouting sealer. Allows excellent Moisture Vapour Transmission (MVT) For interior and exterior use.

USES

UNSEALED Porous Natural Stone, Grout, Concrete, Pavers, etc where an enhanced look and maximum stain resistance is desired

TEST FIRST

Due to the nature of different surfaces, you should do several tests in inconspicuous areas according to the label instructions to determine application method, number of coats and desired results. The end user must determine the suitability of the product for their intended use.

PRE-GROUT SEALING

This will allow quick and easy cleanup after grouting as grout may stain surfaces. Do not to saturate the open grout joints. Follow application instructions below.

PRECAUTIONS

1. Always Test first;
2. Read entire label and product technical bulletin before using;
3. Wear appropriate skin and eye protection and use in a well ventilated area;
4. Surface must be clean and completely dry and free from any other sealers and coatings;
5. Use when surface temperature is between 4°C and 32°C;
6. Once a surface has been enhanced, it cannot be restored to original look.

INSTRUCTIONS

1. Sweep, vacuum, or wipe surface;
2. Apply product using an Aqua-Seal Sealer Sponge, sealer applicator, paint pad or cotton towels;
3. After 5-10 minutes, remove any sealer visible on the surface by wiping the surface COMPLETELY DRY with absorbent paper or cotton towels. DO NOT ALLOW THE PRODUCT TO DRY ON THE SURFACE;
4. If 2 or more coats are required, allow minimum 30 minutes between coats (maximum 2 hours) and follow label instructions for each coat;
5. The surface is ready for light traffic after 2 hours. Keep surface dry for 12 hours.

Note: 2 hours after the final coat, conduct a test to determine if the surface is properly sealed by applying a few water droplets to the surface. If the water is easily absorbed then apply an additional coat. Wait 2 hours and repeat the test.

LIMITATIONS

- Do not allow the product to come in contact with any non-recommended surfaces;
- Regular use of harsh cleaners will affect the performance and enhancement;
- Sealer will not prevent surface wear or etching from harsh chemicals;
- Do NOT apply other sealers, coatings or finishes over Enhance'N'Seal™.

EXPECTED WEAR

Up to 15 years but will vary depending on texture and hardness of surface, surface wear plus frequency, and type of maintenance products used. Harsh cleaning methods, and high-alkaline, acidic, or solvent-based cleaners and weather exposure will affect wear and performance. Re-seal as necessary.

COVERAGE

Approximately 40-160m² per 4 litres per coat. The coverage will vary depending on density, porosity, texture, surface absorption, weather conditions, the application method and number of coats.

As a guide: Porcelain Tile 160m², Polished Granite 160m², Sandstone 40-60m², Honed Travertine 75-110m².

For full coverage chart refer to www.aqua-seal.com.au

MAINTENANCE

- Aqua-Seal EzyClean™ for routine, everyday cleaning;
- Aqua-Seal XtremeClean™ for periodic heavy duty cleaning;
- Aqua-Seal DeepClean Pro™ for large commercial areas.

HANDLING AND STORAGE

- Close container tightly after each use. Store in original container only.
- Store and use in temperatures between 4°C and 32°C.

FIRST AID

For advice, contact a Poisons Information Centre (Phone 131 126) or a doctor. If swallowed, do NOT induce vomiting. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information centre or a Doctor or for at least 15 minutes. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of accident or if you feel unwell, seek medical advice immediately.

SAFETY DIRECTIONS

Avoid contact with skin and eyes. May cause stomach distress, nausea or vomiting. May cause respiratory tract irritation.

WARNING: KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTION BEFORE OPENING

WARRANTY

Aqua-Seal STC™ "The Manufacturer" warrants to the original purchaser of its products that such products are free from manufacturing defect and does not warrant or guarantee the workmanship performed by any person or firm installing its products. The manufacturer's obligation under this warranty is limited solely to the original purchaser and solely shall be limited to the replacement of the product sold. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with the printed instructions. The manufacturer makes no other warranties either expressed or implied. The end user must determine the suitability of the product for their intended use.

ALWAYS DO A TEST FIRST.



Section 1 - Identification of The Material and Supplier

Aqua Seal STC
Unit 7, 38 Waratah Street
Kirrawee NSW 2232 Australia

Phone: +61 2 9521-4000
Fax: +61 2 9521-5222
<http://www.aqua-seal.com.au/>

Chemical nature: Water solution of ingredients.
Trade Name: **Aqua-Seal Gold+™**
Product Number: 142-000
Product Use: Natural look impregnating sealer to provide water & stain resistance to stone, tile, grout, concrete & masonry.
Creation Date: **July, 2011**
This version issued: **July, 2011** and is valid for 5 years from this date.

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Not classified as hazardous according to the criteria of SWA.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: Not Hazardous - No criteria found.

Safety Phrases: S24/25. Avoid contact with skin and eyes.

SUSMP Classification: None allocated.

ADG Classification: None allocated. Not a Dangerous Good under the ADG Code.

UN Number: None allocated

Emergency Overview

Physical Description & Colour: Milky white liquid.

Odour: Slight odour.

Major Health Hazards: no significant risk factors have been found for this product.

Potential Health Effects

Inhalation:

Short Term Exposure: Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.

Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. However product may be mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.

Long Term Exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

Short Term Exposure: This product may be irritating to eyes, but is unlikely to cause anything more than mild transient discomfort.

Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short Term Exposure: Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

MATERIAL SAFETY DATA SHEET



Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m ³)	STEL (mg/m ³)
Polyfluoroacrylic polymer		<15	not set	not set
Other non hazardous ingredients	various	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

Eye Contact: No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product are likely to be irritating if inhaled.

Extinguishing Media: Not Combustible. Use extinguishing media suited to burning materials.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: Does not burn.

Upper Flammability Limit: Does not burn.

Lower Flammability Limit: Does not burn.

Autoignition temperature: Not applicable - does not burn.

Flammability Class: Does not burn.

Section 6 - Accidental Release Measures

Accidental release: Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8).

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

MATERIAL SAFETY DATA SHEET



Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Store packages of this product in a cool place. Make sure that containers of this product are kept tightly closed. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits

TWA (mg/m³)

STEL (mg/m³)

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Eye Protection: Eye protection such as protective glasses or goggles is recommended when this product is being used.

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Milky white liquid.
Odour:	Slight odour.
Boiling Point:	Approximately 100°C at 100kPa.
Freezing/Melting Point:	Approximately 0°C.
Volatiles:	Water component.
Vapour Pressure:	2.37 kPa at 20°C (water vapour pressure).
Vapour Density:	No data.
Specific Gravity:	1.00
Water Solubility:	Completely soluble in water.
pH:	Approx 8.0
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data
Autoignition temp:	Not applicable - does not burn.

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed.

Incompatibilities: Avoid water-reactive materials, heat or contact with peroxides or other catalysts..

Fire Decomposition: Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and smoke. Water is also formed. May form hydrogen fluoride gas and other compounds of fluorine.

MATERIAL SAFETY DATA SHEET



Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Local Effects:

Target Organs: There is no data to hand indicating any particular target organs.

Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.

Section 12 - Ecological Information

Insufficient data to be sure of status.

Section 13 - Disposal Considerations

Disposal: This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to separate the contamination in some way. Only if neither of these options is suitable, consider landfill.

Section 14 - Transport Information

ADG Code: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

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Please read all labels carefully before using product.

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MATERIAL SAFETY DATA SHEET



Aqua-Seal Gold+™

Premium Natural Look Sealer

DESCRIPTION

Aqua-Seal Gold+™ utilises the latest Rapid-Seal STC™ Technology to provide stain resistance in 4 hours. Aqua Seal Gold+ is a below surface sealer formulated to provide maximum stain resistance & keep a natural look on porous unsealed surfaces. Aqua-Seal Gold+™ is water based, non flammable, non toxic, & LOW VOC (40 grams/litre). Can also be used as a pre-grouting sealer. Allows excellent Moisture Vapour Transmission (MVT) For interior and exterior use.

USES

Use on all natural stone, grout, porous ceramic & porcelain, terracotta, Saltillo, quarry tiles, terrazzo, concrete, pavers & masonry surfaces where a natural look and maximum stain resistance is desired.

TEST FIRST

Due to the nature of different surfaces, you should do several tests in inconspicuous areas according to the label instructions to determine application method, number of coats & desired results. The end user must determine the suitability of the product for their intended use.

PRE-GROUT SEALING

This will allow quick & easy cleanup after grouting as grout may stain surfaces. Do not to saturate the open grout joints. Follow application instructions below.

PRECAUTIONS

1. Always Test first;
2. Read entire label & product technical bulletin before using;
3. Wear appropriate skin and eye protection & use in a well ventilated area;
4. Surface must be clean & completely dry and free from any other sealers & coatings;
5. Use when surface temperature is between 4°C & 32°C.

INSTRUCTIONS

1. Shake well before using;
2. Sweep, vacuum, or wipe surface;
3. Apply product using an Aqua-Seal Sealer Sponge, sealer applicator, paint pad or cotton towels;
4. After 5-10 minutes, remove any sealer visible on the surface by wiping the surface COMPLETELY DRY with absorbent paper or cotton towels. DO NOT ALLOW THE PRODUCT TO DRY ON THE SURFACE;
5. If 2 or more coats are required, allow minimum 30 minutes between coats and follow label instructions for each coat;
6. The surface is ready for light traffic after 2 hours. Keep surface dry for 12 hours.

Note: 2 hours after the final coat, conduct a test to determine if the surface is properly sealed by applying a few water droplets to the surface. If the water is easily absorbed then apply an additional coat. Wait 2 hours and repeat the test.

LIMITATIONS:

- Do not allow the product to come in contact with any non-recommended surfaces;
- Sealer will not prevent surface wear or etching from harsh chemicals;

EXPECTED WEAR

Up to 20 years but will vary depending on texture and hardness of surface, surface wear plus frequency, and type of maintenance products used. Harsh cleaning methods, and high-alkaline, acidic, or solvent-based cleaners and weather exposure will affect wear and performance. Re-seal as necessary.

COVERAGE

Approximately 40-160m² per 4 litres per coat. The coverage will vary depending on density, porosity, texture, surface absorption, weather conditions, the application method and number of coats. As a guide: Porcelain Tile – 160m², Polished Granite 160m², Sandstone 40-60m², Honed Travertine 75-110m². For full coverage chart refer to www.aqua-seal.com.au

MAINTENANCE:

- Aqua-Seal EzyClean™ for routine, everyday cleaning;
- Aqua-Seal XtremeClean™ for periodic heavy duty cleaning;
- Aqua-Seal DeepClean Pro™ for large commercial areas.

HANDLING AND STORAGE:

- Close container tightly after each use.
Store in original container only.
- Store in temperatures between 4°C and 32°C.

FIRST AID

For advice, contact a Poisons Information Centre (Phone 131 126) or a doctor. If swallowed, do NOT induce vomiting. Immediately give at least 3-4 glasses of water. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information centre or a Doctor, or for at least 15 minutes. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation persists, seek medical attention. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of accident or if you feel unwell, seek medical advice immediately

SAFETY DIRECTIONS

Avoid contact with skin and eyes. SAFETY DIRECTIONS

WARRANTY

Aqua-Seal STC™ "The Manufacturer" warrants to the original purchaser of its products that such products are free from manufacturing defect and does not warrant or guarantee the workmanship performed by any person or firm installing its products. The manufacturer's obligation under this warranty is limited solely to the original purchaser and solely shall be limited to the replacement of the product sold. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with the printed instructions. The manufacturer makes no other warranties either expressed or implied. The end user must determine the suitability of the product for their intended use.

ALWAYS DO A TEST FIRST.



Section 1 - Identification of The Material and Supplier

Aqua Seal STC™
Unit 7, 38 Waratah Street
Kirrawee NSW 2232 Australia

Phone: +61 2 9521-4000
Fax: +61 2 9521-5222
<http://www.aqua-seal.com.au/>

Chemical nature: Water based modified epoxy resin.
Trade Name: **Grout Renue'N'Seal™**
Product Code: 190-000
Product Use: Recolour and Seal existing grout
Creation Date: **September, 2011**
This version issued: **September, 2011** and is valid for 5 years from this date.

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Not classified as hazardous according to the criteria of SWA.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: Not Hazardous - No criteria found.

Safety Phrases: S23, S25. Do not breathe vapours or mists. Avoid contact with eyes.

SUSMP Classification: None allocated.

ADG Classification: None allocated. Not a Dangerous Good under the ADG Code.

UN Number: None allocated

Emergency Overview

Physical Description & Colour: Pigmented opaque liquid.

Odour: Slight odour.

Major Health Hazards: no significant risk factors have been found for this product.

Potential Health Effects

Inhalation:

Short Term Exposure: Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.

Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. However product may be mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.

Long Term Exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

Short Term Exposure: This product is likely to be mechanically irritating. If exposure is minor or brief, no long term effects should result. However, if material is not removed promptly, scratches to surface of the eye may result with long term consequences.

Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short Term Exposure: Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: Silica (respirable, crystalline) is classified by NTP as reasonably anticipated to be carcinogenic to humans. See the NTP website for further details. A web address has not been provided as addresses frequently change.

MATERIAL SAFETY DATA SHEET



IARC: Silica (respirable, crystalline) is classed 1 by IARC - carcinogenic to humans.
 Titanium Dioxide is classed 2b IARC - possibly carcinogenic to humans.
 See the IARC website for further details. A web address has not been provided as addresses frequently change.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m ³)	STEL (mg/m ³)
Silica (non respirable, crystalline)	14808-60-7	10-30	0.1	not set
Calcium carbonate	1317-65-3	10-30	10	not set
Titanium dioxide	13463-67-7	5-15	10	not set
Other non hazardous ingredients	various	to 100	not set	not set

Note that the crystalline silica in this product is larger than the respirable size which is regarded as harmful, and is incorporated into a liquid product which prevents inhalation in normal use.

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the particles are removed, while holding the eyelid(s) open. Obtain medical attention if irritation persists, or if particles are lodged in surface of the eye(s). Take special care if exposed person is wearing contact lenses.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product are not expected to be hazardous or harmful.

Extinguishing Media: Not combustible. Use extinguishing media suited to burning materials.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: Does not burn.

Upper Flammability Limit: Does not burn.

Lower Flammability Limit: Does not burn.

Autoignition temperature: Not applicable - does not burn.

Flammability Class: Does not burn.

Section 6 - Accidental Release Measures

Accidental release: This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, clean up, rinsing to sewer and put empty container in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

MATERIAL SAFETY DATA SHEET



Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m ³)	STEL (mg/m ³)
Silica (respirable, crystalline)	0.1	not set
Calcium carbonate	10	not set
Titanium dioxide	10	not set

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.

Eye Protection: Eye protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Pigmented opaque liquid.
Odour:	Slight odour.
Boiling Point:	Approximately 100°C at 100kPa.
Freezing/Melting Point:	No specific data. Liquid at normal temperatures.
Volatiles:	Water component.
Vapour Pressure:	2.37 kPa at 20°C (water vapour pressure).
Vapour Density:	No data.
Specific Gravity:	1.31
Water Solubility:	Some, but not all ingredients are soluble.
pH:	8.2
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data
Autoignition temp:	Not applicable - does not burn.

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid: Keep containers tightly closed. Containers should be kept dry.

Incompatibilities: peroxides or other catalysts.

MATERIAL SAFETY DATA SHEET



Fire Decomposition: Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Local Effects:

Target Organs: There is no data to hand indicating any particular target organs.

Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.

Section 12 - Ecological Information

Insufficient data to be sure of status. Expected to not be an environmental hazard.

Section 13 - Disposal Considerations

Disposal: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

Section 14 - Transport Information

ADG Code: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

MATERIAL SAFETY DATA SHEET

Grout Renue'N'Seal™

Renue, Recolour & Seal Existing Grout

DESCRIPTION

Aqua-Seal STC™ Grout Renue'N'Seal™ is a modified waterborne epoxy formula designed to renew, re-colour and seal existing grout. Renue'N'Seal utilises the latest Rapid-Seal STC™ Technology to provide maximum stain resistance in 24 hours. It is non flammable, non toxic, and easy to use. Allows Moisture Vapour Transmission (MVT). For interior and exterior use.

USES

Use on existing sanded, unsanded and epoxy grout where maximum stain resistance and uniform colour is desired.

TEST FIRST

Due to the nature of different surfaces, you should do several tests in inconspicuous areas according to the label instructions to determine application method, number of coats & desired results. The end user must determine the suitability of the product for their intended use.

PRECAUTIONS

1. Always Test first;
2. Read entire label & product technical bulletin before using;
3. Wear appropriate skin protection.
4. Surface must be clean & completely dry and free from any other sealers & coatings;
5. Use when surface temperature is between 4°C & 32°C;
6. If using more than 1 bottle of a single colour, mix all the material to be used together in a large container to ensure colour uniformity.
7. Ensure that existing grout sits lower than the tile surface.
8. Porous surrounding surfaces may require sealing to ensure product is not absorbed;
9. For use in shower cubicles, the use of a moisture meter can help determine when the existing grout is dry and ready to apply product.

PREPARATION OF EXISTING GROUT JOINT

Use Aqua-Seal STC™ XtremeClean as per label instructions to clean and prepare existing grout joints. For smooth grout joints, use Aqua-Seal STC™ OxiTreat HD to clean and create texture on existing grout joint (do not use OxiTreat HD on acid sensitive stone).

INSTRUCTIONS

1. SHAKE WELL BEFORE USING;
2. Ensure surface is completely dry then sweep, vacuum, or wipe surface;
3. Apply small amount of product directly onto grout joint;
4. Work the product along the grout joint in a back-forward motion using an Grout Renue'N'Seal™ Applicator Brush or a toothbrush;
5. Ensure a thin even coat is applied and minimise the amount spread on to tile surface;
6. Allow product to dry a minimum 30 minutes (touch dry) then mist a small amount of water on the surface; (Do not allow product to dry on tile surface for longer than 12 hours);
7. Using a white nylon pad, remove excess product from the tile surface, ensuring that you do not scrub directly into the grout joint;
8. The surface is ready for light traffic after 2 hours. Keep surface dry for 24 hours. Note: When using contrasting colours, more than 1 coat might be necessary with a drying time of 2 hours between each coat. Follow label instructions for each coat.

COLOUR ACCURACY

Colour & shade variation can occur depending on job site, lighting, surface and surrounding conditions.

LIMITATIONS

- Do not use in under water or pooling water situations;
- Do not allow the product to come in contact with any non-recommended surfaces.

EXPECTED WEAR

Up to 20 years but will vary depending on texture & hardness of surface, surface wear plus frequency & type of maintenance products used. Harsh cleaning methods, and high-alkaline, acidic, or solvent-based cleaners and weather exposure will affect wear and performance. Re-seal as necessary.

COVERAGE

The coverage will vary depending on size of joint, size of tile, density, porosity, texture, surface absorption, weather conditions, the application method and number of coats. As a guide per 250ml Bottle will seal 200x 200mm tile with 3mm joint – up to 30m² per coat, 300x300mm tile with 3mm joint – up to 40m² per coat. For full coverage chart refer to www.aqua-seal.com.au

MAINTENANCE

- Aqua-Seal STC™ EzyClean™ for routine, everyday cleaning;
- Aqua-Seal STC™ XtremeClean™ for periodic heavy duty cleaning;
- Aqua-Seal STC™ DeepClean Pro™ for large commercial areas.

HANDLING AND STORAGE

- Close container tightly after each use. Store in original container only.
- Store and use in temperatures between 4°C and 32°C.

FIRST AID

For advice, contact a Poisons Information Centre (Phone 131 126) or a doctor. If swallowed, do NOT induce vomiting. Immediately give at least 3-4 glasses of water. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information centre or a Doctor, or for at least 15 minutes. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation persists, seek medical attention.

SAFETY DIRECTIONS

Avoid contact with skin and eyes. Keep out of reach of children.

WARRANTY

Aqua-Seal STC™ "The Manufacturer" warrants to the original purchaser of its products that such products are free from manufacturing defect and does not warrant or guarantee the workmanship performed by any person or firm installing its products. The manufacturer's obligation under this warranty is limited solely to the original purchaser and solely shall be limited to the replacement of the product sold. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with the printed instructions. The manufacturer makes no other warranties either expressed or implied. The end user must determine the suitability of the product for their intended use.

ALWAYS DO A TEST FIRST.



Hone 400™

Honing Powder

DESCRIPTION

Aqua-Seal STC™ Hone 400™ is a safe, non acidic, easy to use honing powder designed to be used on calcium based stone eg: marble, limestone, travertine and cement based terrazzo. It will remove etch marks, light surface scratches, traffic wear patterns and produce an even flat non reflective honed finish.

USES

For calcium based stone eg: marble, limestone, travertine, cement based terrazzo where a smooth unpolished finish is desired.

TEST FIRST

Due to the nature of different surfaces, you should do several test areas in inconspicuous areas according to the label instructions to determine surface colour stability and desired results. The end user must determine the suitability of the product for their intended use.

PRECAUTIONS

1. Always Test first;
2. Read entire label and product technical bulletin before using;
3. Wear appropriate skin and eye protection;
4. Use when surface temperature is between 4°C and 32°C.

EQUIPMENT

1. Hogs hair or tan pads;
2. Weighted slow speed floor machine (175-300 RPM);
3. Clean water, wet vac, squeegee and broom;
4. Hone 400™.

INSTRUCTIONS

1. Surface must be free of all surface sealers and coatings;
2. Sweep, vacuum, or wipe surface;
3. Sprinkle Hone 400™ to the surface in a manageable area;
4. Add clean water to create a firm slurry;
5. Use a weighted slow speed floor machine (175-300 RPM) with 2 x hogs hair or tan pads double stacked and then start the honing process;
6. Do not allow product to dry - add water to the slurry as required;
7. Continue until the desired effect has been achieved;
Note: Use a squeegee to check your progress;
8. Remove the slurry with a wet vac and rinse thoroughly with clean water;
9. Repeat process as necessary;
10. Seal the surface with the appropriate Aqua-Seal STC™ sealer to provide stain resistance and ease the ongoing maintenance.

LIMITATIONS

- Do not mix with other chemicals or allow product to come in contact with any non-recommended surfaces;

COVERAGE

Approximately 25-40 square meters per 1kg. The coverage will vary depending on the surface density, hardness, porosity, texture, absorption, weather, the application method, severity of the problem and dilution used.

HANDLING AND STORAGE

- Close container tightly after each use.
- Store in original container only.
- Store in temperatures between 4°C and 32°C.

FIRST AID

For advice, contact a Poisons Information Centre (Phone 131 126) or a doctor. If swallowed, do NOT induce vomiting. Immediately give at least 3-4 glasses of water. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information centre or a Doctor, or for at least 15 minutes. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation persists, seek medical attention. In case of accident or if you feel unwell, seek medical advice immediately.

SAFETY DIRECTIONS

Avoid contact with skin and eyes.

WARRANTY

Aqua-Seal STC™ "The Manufacturer" warrants to the original purchaser of its products that such products are free from manufacturing defect and does not warrant or guarantee the workmanship performed by any person or firm installing its products. The manufacturer's obligation under this warranty is limited solely to the original purchaser and solely shall be limited to the replacement of the product sold. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with the printed instructions. The manufacturer makes no other warranties either expressed or implied. The end user must determine the suitability of the product for their intended use.

ALWAYS DO A TEST FIRST.

Stone
Restoration



Section 1 - Identification of The Material and Supplier

Aqua Seal STC™
Unit 7, 38 Waratah Street
Kirrawee NSW 2232 Australia

Phone: +61 2 9521-4000
Fax: +61 2 9521-5222
<http://www.aqua-seal.com.au/>

Chemical nature: Blend of ingredients.
Trade Name: **MicroScrub™**
Product Code: 122-000
Product Use: Cream abrasive cleaner for tile, stone, concrete and masonry surfaces.
Creation Date: **August, 2011**
This version issued: **August, 2011** and is valid for 5 years from this date.

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Not classified as hazardous according to the criteria of SWA.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code. However, this is a C1 Combustible Liquid and for storage meets the definition of Dangerous Goods.

Risk Phrases: Not Hazardous - No criteria found.

Safety Phrases: S25. Avoid contact with eyes.

SUSMP Classification: None allocated.

ADG Classification: None allocated. Not a Dangerous Good under the ADG Code.

UN Number: None allocated

Emergency Overview

Physical Description & Colour: White opaque liquid.

Odour: Slight odour.

Major Health Hazards: no significant risk factors have been found for this product.

Potential Health Effects

Inhalation:

Short Term Exposure: Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.

Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. In addition product is unlikely to cause any discomfort in normal use.

Long Term Exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

Short Term Exposure: This product may be mildly irritating to eyes, but is unlikely to cause anything more than mild discomfort which should disappear once product is removed.

Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short Term Exposure: Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

MATERIAL SAFETY DATA SHEET



Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m ³)	STEL (mg/m ³)
Calcium carbonate	1317-65-3	10-30	10	not set
Other non hazardous ingredients	secret	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

Eye Contact: No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. This product is classified as a C1 combustible product. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: Suitable extinguishing media are carbon dioxide, dry chemical, foam, water fog.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: >100°C

Upper Flammability Limit: No data.

Lower Flammability Limit: No data.

Autoignition temperature: No data.

Flammability Class: C1

Section 6 - Accidental Release Measures

Accidental release: Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8).

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

MATERIAL SAFETY DATA SHEET



Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Note that this product is combustible and therefore, for Storage, meets the definition of Dangerous Goods in some states. If you store large quantities (tonnes) of such products, we suggest that you consult your state's Dangerous Goods authority in order to clarify your obligations regarding their storage.

Make sure that containers of this product are kept tightly closed. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m ³)	STEL (mg/m ³)
Calcium carbonate	10	not set

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.

Eye Protection: Eye protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	White opaque liquid.
Odour:	Slight odour.
Boiling Point:	Not available.
Freezing/Melting Point:	No specific data. Liquid at normal temperatures.
Volatiles:	No data.
Vapour Pressure:	No data.
Vapour Density:	No data.
Specific Gravity:	1.43
Water Solubility:	Some, but not all ingredients are soluble.
pH:	8.5
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data
Autoignition temp:	No data.

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid: Keep containers tightly closed.

Incompatibilities: Avoid water-reactive materials, heat or contact with peroxides or other catalysts.

MATERIAL SAFETY DATA SHEET



Fire Decomposition: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Local Effects:

Target Organs: There is no data to hand indicating any particular target organs.

Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.

Section 12 - Ecological Information

Insufficient data to be sure of status.

Section 13 - Disposal Considerations

Disposal: This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to separate the contamination in some way. Only if neither of these options is suitable, consider landfill.

Section 14 - Transport Information

ADG Code: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

MATERIAL SAFETY DATA SHEET

DESCRIPTION

Aqua-Seal STC™ MicroScrub™ is safe yet powerful abrasive cleaner. Aqua-Seal STC™ MicroScrub™ is water based, biodegradable, No VOC, non toxic and non flammable. Does not contain any acids. No dwell time required. Will effectively remove most factory applied waxes and floor finishes, light grout residue (including epoxy), pencil marks, surface rust, mineral deposits, ground-in dirt and most sealer residues. Formulated to safely abrade away surface dirt and grime from heavily textured, hard to clean surfaces

USES

Use on all natural stone, grout, ceramic, porcelain, terracotta, Saltillo, quarry tiles, terrazzo, concrete, pavers, masonry. Does not affect existing penetrating sealers. Aqua-Seal STC™ MicroScrub™ can also be used to boost the performance of any of cleaners or problem solvers.

TEST FIRST

Due to the nature of different surfaces, you should do several test areas in inconspicuous areas according to the label instructions to determine surface colour stability and desired results. The end user must determine the suitability of the product for their intended use.

PRECAUTIONS

1. Always Test first;
2. Read entire label and product technical bulletin before using;
3. Wear appropriate skin protection;
4. Use when surface temperature is between 4°C and 32°C.

INSTRUCTIONS

1. Shake well before using;
2. Sweep, vacuum, or wipe surface;
3. Slightly pre wet surface;
4. Apply about ½ - 1 cup of Aqua-Seal STC™ MicroScrub™ to the pre wet surface;
5. Scrub the surface with a white nylon pad, scrub brush or scrub machine;
6. Remove the dirty solution with a wet vac or mop;
7. Rinse thoroughly with clean water;
8. Repeat the process as necessary.

INSTRUCTIONS WHEN USED A BOOSTER

1. Shake well before using;
2. Sweep, vacuum, or wipe surface;
3. Dilute the selected cleaner or problem solver as per that products instruction label;
4. Carefully apply the solution to wet surface with a sponge or mop;
5. Allow selected cleaner or problem solver to dwell as per label instructions – DO NOT ALLOW THE PRODUCT TO DRY ON THE SURFACE;
6. Apply about ½ - 1 cup of Aqua-Seal STC™ MicroScrub™ to the standing solution;

7. Scrub the surface with a white nylon pad, scrub brush or scrub machine;
8. Remove the dirty solution with a wet vac or mop;
9. Rinse thoroughly with clean water;
10. Repeat the process as necessary.

LIMITATIONS

- Do not allow product to come in contact with any non-recommended surfaces.

COVERAGE

Approximately 30–300 square meters per 4 litres. The coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface, the application method, severity of the problem and dilution used.

HANDLING AND STORAGE

- Close container tightly after each use.
- Store in original container only.
- Store in temperatures between 4°C and 32°C.

FIRST AID

For advice, contact a Poisons Information Centre (Phone 131 126) or a doctor. If swallowed, do NOT induce vomiting. Immediately give at least 3-4 glasses of water. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information centre or a Doctor, or for at least 15 minutes. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation persists, seek medical attention. In case of accident or if you feel unwell, seek medical advice immediately

SAFETY DIRECTIONS

Avoid contact with skin and eyes.

WARRANTY

Aqua-Seal STC™ "The Manufacturer" warrants to the original purchaser of its products that such products are free from manufacturing defect and does not warrant or guarantee the workmanship performed by any person or firm installing its products. The manufacturer's obligation under this warranty is limited solely to the original purchaser and solely shall be limited to the replacement of the product sold. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with the printed instructions. The manufacturer makes no other warranties either expressed or implied. The end user must determine the suitability of the product for their intended use.

ALWAYS DO A TEST FIRST.



Section 1 - Identification of The Material and Supplier

Aqua Seal STC™
Unit 7, 38 Waratah Street
Kirrawee NSW 2232 Australia

Phone: +61 2 9521-4000
Fax: +61 2 9521-5222
<http://www.aqua-seal.com.au/>

Chemical nature: Blend of ingredients.
Trade Name: **OxiTreat HD™**
Product Code: 120-005
Product Use: Heavy duty acid treatment for acid resistant tile, stone, concrete and masonry surfaces.
Creation Date: **August, 2011**
This version issued: **August, 2011** and is valid for 5 years from this date.

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Xn, Harmful. C, Corrosive. Hazardous according to the criteria of SWA.
Dangerous according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: R22, R34. Harmful if swallowed. Causes burns.

Safety Phrases: S20, S26, S28, S36, S45, S46, S1/2, S24/25, S36/37/39. When using, do not eat or drink. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing. In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately (show this MSDS where possible). If swallowed, contact a doctor or Poisons Information Centre immediately and show this MSDS or label. Keep locked up and out of reach of children. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection.

SUSMP Classification: S6

ADG Classification: Class 8: Corrosive Substances.

UN Number: 3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

Emergency Overview

Physical Description & Colour: Clear liquid.

Odour: No odour.

Major Health Hazards: causes burns, harmful if swallowed.

Potential Health Effects

Inhalation:

Short Term Exposure: Available data indicates that this product is not harmful. However if liquid enters nasal passages, it will cause pain and burn nasal membranes. Patients with inhalation burns may develop acute pulmonary oedema.

Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short Term Exposure: Available data indicates that this product is corrosive to the skin. Capable of causing moderate to severe burns with ulceration. Can penetrate to deeper layers of skin, resulting in third degree burns. Corrosion will continue until product is removed or neutralised. Severity depends on concentration and duration of exposure. Burns may not be immediately painful; the onset of pain may be minutes to hours.

Long Term Exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

Short Term Exposure: This product is corrosive to eyes. It will cause severe pain, and corrosion of the eye and surrounding facial tissues. Unless exposure is quickly treated, permanent blindness and facial scarring is likely.

Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short Term Exposure: Significant oral exposure is considered to be unlikely. Available data shows that this product is harmful, but symptoms are not available. However, this product is corrosive to the gastrointestinal tract. Capable of causing

MATERIAL SAFETY DATA SHEET



moderate to severe burns with ulceration. Can penetrate to deeper layers of skin, resulting in third degree burns. Corrosion will continue until product is removed or neutralised. Severity depends on concentration and duration of exposure.

Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m ³)	STEL (mg/m ³)
Phosphoric acid	7664-38-2	10-30	1	3
Oxalic acid	144-62-7	<5	1	2
Propylene glycol monobutyl ether	5131-66-8	<5	not set	not set
Other non hazardous ingredients	secret	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Flush contaminated area with lukewarm, gently flowing water for at least 20-30 minutes, by the clock. DO NOT INTERRUPT FLUSHING. If necessary, keep emergency vehicle waiting (show paramedics this MSDS and take their advice). Under running water, remove contaminated clothing, shoes and leather goods (eg watchbands and belts). If irritation persists, repeat flushing. Seek medical attention.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 20-30 minutes, by the clock, while holding the eyelid(s) open. Neutral saline solution may be used as soon as it is available. DO NOT INTERRUPT FLUSHING. If necessary, keep emergency vehicle waiting (show paramedics this MSDS and take their advice). Take care not to rinse contaminated water into the unaffected eye or onto face. If irritation persists, repeat flushing. Call a Poisons Information Centre or a doctor urgently. Take special care if exposed person is wearing contact lenses.

Ingestion: If swallowed, do NOT induce vomiting; rinse mouth thoroughly with water and contact a Poisons Information Centre. Urgent hospital treatment is likely to be needed. Give activated charcoal if instructed.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is little risk of an explosion from this product if commercial quantities are involved in a fire. Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product are likely to be irritating if inhaled.

Extinguishing Media: Not Combustible. Use extinguishing media suited to burning materials. Water fog or fine spray is the preferred medium for large fires. Try to contain spills, minimise spillage entering drains or water courses.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade. There is little danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Recommended personal protective equipment is liquid-tight chemical protective clothing and breathing apparatus.

Flash point: Will not burn until water component is driven off.

Upper Flammability Limit: Does not burn.

Lower Flammability Limit: Does not burn.

Autoignition temperature: Does not burn.

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Flammability Class: Does not burn.

Section 6 - Accidental Release Measures

Accidental release: In the event of a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Wear full protective chemically resistant clothing including eye/face protection, gauntlets and self contained breathing apparatus. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, PVC, Nitrile, neoprene. Eye/face protective equipment should comprise as a minimum, protective goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8).

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Because of the corrosiveness of this product, special personal care should be taken in any cleanup operation. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Contaminated area may be neutralised by washing with weak or dilute alkali. Baking soda, washing soda and limestone are suitable. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Store in a cool, well ventilated area. Check containers periodically for corrosion and leaks. Containers should be kept closed in order to minimise contamination. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. If you keep more than 10000kg or L of Dangerous Goods of Packaging Group III, you may be required to license the premises or notify your Dangerous Goods authority. If you have any doubts, we suggest you contact your Dangerous Goods authority in order to clarify your obligations. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m³)	STEL (mg/m³)
Phosphoric acid	1	3
Oxalic acid	1	2

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Eye Protection: Your eyes must be completely protected from this product by splash resistant goggles with face shield. All surrounding skin areas must be covered. Emergency eye wash facilities must also be available in an area close to where this product is being used.

Skin Protection: Because of the dangerous nature of this product, make sure that all skin areas are completely covered by impermeable gloves, overalls, hair covering, apron and face shield. See below for suitable material types.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC, nitrile, neoprene.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

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Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Clear liquid.
Odour:	No odour.
Boiling Point:	Approximately 100°C at 100kPa.
Freezing/Melting Point:	Below 0°C.
Volatiles:	Water component.
Vapour Pressure:	2.37 kPa at 20°C (water vapour pressure).
Vapour Density:	No data.
Specific Gravity:	1.2
Water Solubility:	Completely soluble in water.
pH:	1.0-2.0
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data
Autoignition temp:	Does not burn.

Section 10 - Stability and Reactivity

Reactivity: Most strong acids react with inorganic and organic bases such as amines to form salts. They also react with many metals liberating hydrogen gas. These reactions are often rapid and sometimes liberate much heat. They can also decompose many organic materials such as esters, in a reaction called hydrolysis.

Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Keep containers and surrounding areas well ventilated.

Incompatibilities: bases, zinc, tin, aluminium and their alloys.

Fire Decomposition: Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Local Effects:

Target Organs: There is no data to hand indicating any particular target organs.

Classification of Hazardous Ingredients

Ingredient	Risk Phrases
Phosphoric Acid	Conc>=25%: C; R34

Section 12 - Ecological Information

Insufficient data to be sure of status. However, until diluted or neutralised it will kill all aquatic organisms it contacts due to extreme pH.

Section 13 - Disposal Considerations

Disposal: This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to separate the contamination in some way. Only if neither of these options is suitable, consider landfill.

Section 14 - Transport Information

ADG Code: 3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

Hazchem Code: 2X

Special Provisions: 223, 274

Limited quantities: ADG 7 specifies a Limited Quantity value of 5 L for this class of product.

Dangerous Goods Class: Class 8: Corrosive Substances.

Packaging Group: III

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**Packaging Method:** P001, IBC03, LP01

Class 8 Corrosive Substances shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 4.3 (Dangerous When Wet Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), 6 (Toxic Substances where the Toxic Substances are cyanides and the Corrosives are acids), 7 (Radioactive Substances), Foodstuffs and foodstuff empties. They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.1 (Flammable Gases), 2.2 (Non-Flammable, Non-Toxic Gases), 2.3 (Poisonous Gases), 3 (Flammable liquids), 4.1 (Flammable Solids), 4.2 (Spontaneously Combustible Substances), 6 (Toxic Substances except where the Toxic Substances are cyanides and the Corrosives are acids) and 9 (Miscellaneous Dangerous Goods).

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredients: Phosphoric acid, Oxalic acid, are mentioned in the SUSMP.

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

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MATERIAL SAFETY DATA SHEET



Heavy Duty Acid Treatment

DESCRIPTION

Aqua-Seal STC™ OxiTreat HD™ is a fast acting concentrated acid treatment designed to remove most cement and grout haze, efflorescence, rust stains, mineral deposits, mortar residue and smears. OxiTreat HD™ will also remove most hard water stains, lime deposits, soap scum, and ground in dirt and grime. It will also etch concrete.

USES

Use on ACID RESISTANT natural stone, porcelain, ceramic and masonry surfaces.

TEST FIRST

The end user must determine the suitability of the product for their intended use. You should do several test areas in inconspicuous areas according to the label instructions to determine surface colour stability and desired results.

PRECAUTIONS

1. Always Test first;
2. Read entire label and product technical bulletin before using;
3. Wear appropriate skin and eye protection;
4. Concrete and grout to be cured as per the manufacturers spec;
5. Use when surface temperature is between 4°C and 32°C;
6. Do NOT use on acid sensitive/polished surfaces.

INSTRUCTIONS

1. Sweep, vacuum, or wipe surface;
2. Pre-wet the surface with clean water;
3. Dilute OxiTreat HD™ as follows:
 - a) LIGHT: Mix 15 parts water to 1 part product;
 - b) MODERATE: Mix 10 parts water to 1 part product;
 - c) HEAVY: Mix 5 parts water to 1 part product;
4. Carefully apply the solution to wet surface with a sponge or mop;
5. Allow to dwell for no longer than 3-5 minutes – DO NOT ALLOW THE PRODUCT TO DRY ON THE SURFACE;
6. Scrub with a white nylon pad, natural or nylon bristle brush – always work in small areas;
7. Flush thoroughly with clean water immediately after scrubbing;
8. Remove the dirty solution with a mop or a wet vac;
9. Rinse thoroughly with clean water as necessary;
10. Repeat the process as necessary always following the product instructions.

LIMITATIONS

- DO NOT USE ON ACID SENSITIVE/POLISHED SURFACES;
- Do not mix with other cleaners or allow product to come in contact with any non-recommended surfaces.
- Acids of all kinds may etch, lighten, or change the colour of cementitious material, metallic glazes and some natural stones such as marble and limestone.

COVERAGE

Approximately 50–270 square meters per 4 litres. The coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface, the application method, severity of the problem and dilution used.

HANDLING AND STORAGE:

- Close container tightly after each use. Store in original container only.
- Store in temperatures between 4°C and 32°C.

FIRST AID

For advice, contact a Poisons Information centre (Phone 131 126) or a doctor. If swallowed, do NOT induce vomiting. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information centre or a Doctor, or for at least 15 minutes. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation persists, seek medical attention.

SAFETY DIRECTIONS

Wear eye protection when mixing or using.
Wear protective gloves when mixing or using.

POISON: KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTION BEFORE OPENING

CONTAINS

PHOSPHORIC ACID 240 G/L

UN No 1805

HAZCHEM 2 R

CLASS 8

PG III

TRANSPORTATION NAME

PHOSPHORIC ACID SOLUTION

WARRANTY

Aqua-Seal STC™ "The Manufacturer" warrants to the original purchaser of its products that such products are free from manufacturing defect and does not warrant or guarantee the workmanship performed by any person or firm installing its products. The manufacturer's obligation under this warranty is limited solely to the original purchaser and solely shall be limited to the replacement of the product sold. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with the printed instructions. The manufacturer makes no other warranties either expressed or implied. The end user must determine the suitability of the product for their intended use.

ALWAYS DO A TEST FIRST.



Section 1 - Identification of The Material and Supplier

Aqua Seal STC™
Unit 7, 38 Waratah Street
Kirrawee NSW 2232 Australia

Phone: +61 2 9521-4000
Fax: +61 2 9521-5222
<http://www.aqua-seal.com.au/>

Chemical nature: Blend of ingredients.
Trade Name: **Polish Pro™**
Product Use: Polishing compound for calcium based stone to produce a polished reflective finish.
Creation Date: **August, 2011**
This version issued: **August, 2011** and is valid for 5 years from this date.

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Xi, Irritating, T, Toxic. Hazardous according to the criteria of SWA.
Dangerous according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: R25, R36/37/38. Toxic if swallowed. Irritating to eyes, respiratory system and skin.

Safety Phrases: S20, S22, S26, S28, S36, S38, S45, S24/25. When using, do not eat or drink. Do not breathe dust. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately (show this MSDS where possible). Avoid contact with skin and eyes.

SUSMP Classification: None allocated.

ADG Classification: Class 6.1: Toxic Substances.

UN Number: 2811, TOXIC SOLID, ORGANIC, N.O.S. (Contains potassium oxalate).

Emergency Overview

Physical Description & Colour: Tan granular solid.

Odour: Pungent odour.

Major Health Hazards: toxic if swallowed, irritating to eyes, respiratory system and skin.

Potential Health Effects

Inhalation:

Short Term Exposure: Available data indicates that this product is not harmful. However product is an inhalation irritant. Symptoms may include headache, irritation of nose and throat and increased secretion of mucous in the nose and throat. Other symptoms may also become evident, but they should disappear after exposure has ceased.

Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. However product is a skin irritant. Symptoms may include itchiness and reddening of contacted skin. Other symptoms may also become evident, but all should disappear once exposure has ceased.

Long Term Exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

Short Term Exposure: This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment may cause permanent damage.

Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short Term Exposure: Significant oral exposure is considered to be unlikely. Available data shows that this product is toxic, but further symptoms are not available. However, this product is an oral irritant. Symptoms may include burning

MATERIAL SAFETY DATA SHEET



sensation and reddening of skin in mouth and throat. Other symptoms may also become evident, but all should disappear once exposure has ceased.

Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m ³)	STEL (mg/m ³)
potassium oxalate	583-52-8	60-70	not set	not set
Alumina	1344-28-1	20-30	10	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation: If irritation occurs, contact a Poisons Information Centre, or call a doctor. Remove source of contamination or move victim to fresh air. If breathing is difficult, oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. In severe cases, symptoms of pulmonary oedema can be delayed up to 48 hours after exposure.

Skin Contact: Quickly and gently brush away excess particles. Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) for 10-20 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.

Eye Contact: Quickly and gently brush particles from eyes. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.

Ingestion: If swallowed, do NOT induce vomiting; rinse mouth thoroughly with water and contact a Poisons Information Centre, or call a doctor at once. Give activated charcoal if instructed.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is little risk of an explosion from this product if commercial quantities are involved in a fire. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: Suitable extinguishing media are carbon dioxide, dry chemical, foam, water fog. Water fog or fine spray is the preferred medium for large fires. Try to contain spills, minimise spillage entering drains or water courses.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade. There is little danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Recommended personal protective equipment is liquid-tight chemical protective clothing and breathing apparatus.

Flash point: Does not burn.

Upper Flammability Limit: Does not burn.

Lower Flammability Limit: Does not burn.

Autoignition temperature: Not applicable - does not burn.

Flammability Class: Does not burn.

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Section 6 - Accidental Release Measures

Accidental release: In the event of a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Wear full protective chemically resistant clothing including eye/face protection, gauntlets and self contained breathing apparatus. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective goggles. If there is a significant chance that dusts are likely to build up in cleanup area, we recommend that you use a suitable Dust Mask. Use a P1 mask, designed for use against mechanically generated particles eg silica & asbestos.

Stop leak if safe to do so, and contain spill. Because of the toxicity of this product, special personal care should be taken in any cleanup operation. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Consider vacuuming if appropriate. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Store in a cool, well ventilated area. Check containers periodically for leaks. Containers should be kept closed in order to minimise contamination. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. If you keep more than 10000kg or L of Dangerous Goods of Packaging Group III, you may be required to license the premises or notify your Dangerous Goods authority. If you have any doubts, we suggest you contact your Dangerous Goods authority in order to clarify your obligations. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits

TWA (mg/m³)

STEL (mg/m³)

Alumina

10

not set

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Eye Protection: Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.

Skin Protection: Prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC.

Respirator: If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a suitable Dust Mask.

Eyebaths or eyewash stations and safety deluge showers should be provided near to where this product is being handled commercially.

Section 9 - Physical and Chemical Properties:

Physical Description & colour: Tan granular solid.

Odour: Pungent odour.

Boiling Point: Not available.

Freezing/Melting Point: 101°C

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Volatiles:	Nil at 100°C.
Vapour Pressure:	Nil at normal ambient temperatures.
Vapour Density:	Not applicable.
Specific Gravity:	1.65 approx
Water Solubility:	Some, but not all ingredients are soluble.
pH:	1-2
Volatility:	Nil at normal ambient temperatures.
Odour Threshold:	No data.
Evaporation Rate:	Not applicable.
Coeff Oil/water Distribution:	No data
Viscosity:	Not applicable.
Autoignition temp:	Not applicable - does not burn.

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Containers should be kept dry. Keep isolated from combustible materials.

Incompatibilities: strong oxidising agents.

Fire Decomposition: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and smoke. Water is also formed. Potassium compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Local Effects:

Target Organs: There is no data to hand indicating any particular target organs.

Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.

Section 12 - Ecological Information

Insufficient data to be sure of status.

Section 13 - Disposal Considerations

Disposal: This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to separate the contamination in some way. Only if neither of these options is suitable, we suggest that you contact a specialist disposal company to arrange disposal. Disposal by untrained personnel may cause a dangerous incident.

Section 14 - Transport Information

ADG Code: 2811, TOXIC SOLID, ORGANIC, N.O.S. (Contains potassium oxalate).

Hazchem Code: 2X

Special Provisions: 223, 274

Limited quantities: ADG 7 specifies a Limited Quantity value of 5 kg for this class of product.

Dangerous Goods Class: Class 6.1: Toxic Substances.

Packaging Group: III

Packaging Method: P002, IBC08, LP02

Class 6 Toxic Substances shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 3 (Flammable Liquids where the Flammable Liquid is nitromethane), 5.1 (Oxidising Agents where the Toxic Substances are Fire Risk Substances), 5.2 (Organic Peroxides where the Toxic Substances are Fire Risk Substances), 8 (Corrosive Substances where the Toxic Substances are cyanides and the Corrosives are acids), Foodstuffs and foodstuff empties. They may however be loaded in the same vehicle or packed in the same freight container with Classes, 2.1

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(Flammable Gases), 2.2 (Non-Flammable, Non-Toxic Gases), 2.3 (Toxic Gases), 3 (Flammable liquids, except where the flammable liquid is nitromethane), 4.1 (Flammable Solids), 4.2 (Spontaneously Combustible Substances), 4.3 (Dangerous When Wet Substances), 5.1 (Oxidising Agents except where the Toxic Substances are Fire Risk Substances), 5.2 (Organic Peroxides except where the Toxic Substances are Fire Risk Substances), 7 (Radioactive Substances), 8 (Corrosive Substances except where the Toxic Substances are cyanides and the Corrosives are acids), 9 (Miscellaneous Dangerous Goods)

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

MATERIAL SAFETY DATA SHEET



Section 1 - Identification of The Material and Supplier

Aqua Seal STC™
Unit 7, 38 Waratah Street
Kirrawee NSW 2232 Australia

Phone: +61 2 9521-4000
Fax: +61 2 9521-5222
<http://www.aqua-seal.com.au/>

Chemical nature: Water based preparation.
Trade Name: **Re-Shine™**
Product Use: Polishing Cream for calcium based stone to produce a polished reflective finish.
Creation Date: **August, 2011**
This version issued: **August, 2011** and is valid for 5 years from this date.

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Xi, Irritating. Hazardous according to the criteria of SWA.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: R36/38. Irritating to eyes and skin.

Safety Phrases: S26, S28, S36, S24/25. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing. Avoid contact with skin and eyes.

SUSMP Classification: None allocated.

ADG Classification: None allocated. Not a Dangerous Good under the ADG Code.

UN Number: None allocated

Emergency Overview

Physical Description & Colour: Opaque creamy liquid.

Odour: Acrid odour.

Major Health Hazards: irritating to eyes and skin.

Potential Health Effects

Inhalation:

Short Term Exposure: Available data indicates that this product is not harmful. However product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort.

Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. However product is a skin irritant. Symptoms may include itchiness and reddening of contacted skin. Other symptoms may also become evident, but all should disappear once exposure has ceased.

Long Term Exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

Short Term Exposure: This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment may cause permanent damage.

Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short Term Exposure: Significant oral exposure is considered to be unlikely. However, this product is an oral irritant. Symptoms may include burning sensation and reddening of skin in mouth and throat. Other symptoms may also become evident, but all should disappear once exposure has ceased.

Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

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NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m ³)	STEL (mg/m ³)
potassium oxalate	583-52-8	25-60	not set	not set
Other non hazardous ingredients	secret	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation: No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

Skin Contact: Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) for 10-20 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.

Ingestion: If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: Not Combustible. Use extinguishing media suited to burning materials.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: Does not burn.

Upper Flammability Limit: Does not burn.

Lower Flammability Limit: Does not burn.

Autoignition temperature: Not applicable - does not burn.

Flammability Class: Does not burn.

Section 6 - Accidental Release Measures

Accidental release: In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8). Otherwise, not normally necessary.

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Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Store packages of this product in a cool place. Make sure that containers of this product are kept tightly closed. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits

TWA (mg/m³)

STEL (mg/m³)

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.

Eye Protection: Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.

Skin Protection: Prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above. Otherwise, not normally necessary.

Eyebaths or eyewash stations and safety deluge showers should be provided near to where this product is being handled commercially.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Opaque creamy liquid.
Odour:	Acrid odour.
Boiling Point:	Approximately 100°C at 100kPa.
Freezing/Melting Point:	Approximately 0°C.
Volatiles:	Water component.
Vapour Pressure:	2.37 kPa at 20°C (water vapour pressure).
Vapour Density:	No data.
Specific Gravity:	1.20
Water Solubility:	Miscible.
pH:	3.0-5.5
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data
Autoignition temp:	Not applicable - does not burn.

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Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed.

Incompatibilities: strong oxidising agents.

Fire Decomposition: Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and smoke. Water is also formed. Potassium compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Local Effects:

Target Organs: There is no data to hand indicating any particular target organs.

Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.

Section 12 - Ecological Information

Insufficient data to be sure of status.

Section 13 - Disposal Considerations

Disposal: This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to separate the contamination in some way. Only if neither of these options is suitable, consider landfill.

Section 14 - Transport Information

ADG Code: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

MATERIAL SAFETY DATA SHEET



Section 1 - Identification of The Material and Supplier

Aqua Seal STC™

Unit 7, 38 Waratah Street

Kirrawee NSW 2232 Australia

Phone: +61 2 9521-4000

Fax: +61 2 9521-5222

<http://www.aqua-seal.com.au/>

Trade Name: Strip-It™
Product Code: 121-000
Product Use: Sealer & Coating Stripper
Creation Date: December, 2011
This version issued: December, 2011 and is valid for 5 years from this date.

Section 2 - Hazards Identification

Not classified as hazardous according to the criteria of the Office of Australian Safety & Compensation Council (ASCC)

UN Number: None allocated

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m ³)	STEL (mg/m ³)
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Ingredients determined not to be hazardous to 100%

This is a commercial product whose exact ratio of components may vary slightly.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.**Skin Contact:** Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.**Eye Contact:** No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 15 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.**Ingestion:** If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.**Notes to physician:** Suggest intubation BEFORE any emesis.

Section 5 - Fire Fighting Measures

Specific Hazards: Hot containers may burst causing scalds**Extinguishing Media:** Use extinguishing media suited to burning materials. Foams, CO2 or dry powder**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade. Wear full protective gear including air fed masks in confined spaces. Keep containers cool with water fog or spray.**Hazchem Code:** None allocated.

Section 6 - Accidental Release Measures

Wear protective equipment to prevent skin & eye contamination & inhalation of dust of dust. Cover with damp absorbent material (inert material, sand or soil). For large spills transfer to steel containers and label as for product for transport to disposal.

Emergency procedures: Contain. Extinguish all sources of ignition. Rinse area with water.

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Section 7 - Handling and Storage

Precautions for safe handling. Wear protective gear including gloves.

Conditions for Safe Storage: Store according to Federal, State or Local regulations as for a combustible liquid C1.

General: Store in a cool, dry, well ventilated place & out of direct sunlight. Store away from strong acids & moisture. Keep containers closed at all times – check regularly for spills.

Section 8 - Exposure Controls and Personal Protection

National occupational exposure limits

No value assigned for this specific material by the Australian Safety and Compensation Council. Use TWA of 10 mg/Cubic metre as a maximum. As published by the Australian Safety and Compensation Council

Engineering measures: No special requirements.

Eye/Face Protection: Safety glasses or chemical resistant goggles should be worn to prevent eye contact.

Skin Protection: Use impervious gloves to prevent skin contact

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Clear liquid.
Odour:	Characteristic Low Odour
Boiling Point:	≥100°C
Freezing/Melting Point:	≤ 0°C.
Vapour Pressure (20°C)mm:	Low.
Vapour Density:	Not determined (air=1).
Specific Gravity:	1.0 to 1.015 approx at 20°C
Water Solubility:	Partially miscible with water.
pH:	Not relevant
Flash Point (°C) closed cup:	≥65°C
Decomposition Point (°C):	≥100°C
Flammability Limits (%):	Not relevant.
Autoignition temp:	Not determined

Section 10 - Stability and Reactivity

Chemical Stability: Stable to over 60°C

Incompatible Materials: None known. Do not mix with other chemicals

Hazardous Decomposition Products: In fires CO₂, CO, and partially burned hydrocarbons.

Section 11 - Toxicological Information

No adverse effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Acute Effects:

Ingestion: May cause discomfort.

Eye contact: May cause some discomfort but readily removed when promptly flushed with water.

Skin contact: Prolonged or repeated skin contact may lead to reddening of skin as product is good at removing oils and fats.

Inhalation: Mild irritant.

Long Term Effects: Prolonged or repeated skin contact can result in cracking of the skin leading to contact dermatitis.

Poison Information Centres in each State capital city can provide additional assistance for Scheduled Poisons: Aust Ph 13 1126

Acute toxicity / Chronic toxicity: No data available for product.

Classification of Hazardous Ingredients

Ingredient	Risk Phrases
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No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.

Section 12 - Ecological Information

Ecotoxicity. Expected to be toxic to the aquatic environment but minimal adverse effects due to rapid biodegradability.

Persistence/Degradability: Not persistent due to rapid biodegradability.

Mobility: Not expected to be mobile in aquatic systems.

MATERIAL SAFETY DATA SHEET



Section 13 - Disposal Considerations

Disposal: May be fed to sewer

Section 14 - Transport Information

Classified by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail as a Combustible liquid C 1.

Segregation Dangerous Goods: Segregate from Classes 4 and 5.

Section 15 - Regulatory Information

Not hazardous to criteria of the Australian Safety and Compensation Council.

Not classified by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail.

Poisons schedule: NONE ALLOCATED

All of the constituents of this material are listed in the Australian Inventory of Chemical Substances.

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

MATERIAL SAFETY DATA SHEET



Strip-It™ Sealer & Coating Stripper

DESCRIPTION

Aqua-Seal STC™ Strip-It™ is a safe, NO VOC (0 g/l) non-flammable, biodegradable, multi-purpose stripper. It formulated to stay wet for longer periods to give the product time to break down and help remove most sealers, epoxy grout haze, urethane coatings, synthetic finishes, adhesives, silicones and paints. Effectively dissolves heavy wax, and helps remove deep-set stains and heavy grease build-up.

USES

Use on all natural stone, grout, ceramic, porcelain, terracotta, Saltillo, quarry tiles, terrazzo, concrete, pavers and masonry surfaces.

TEST FIRST

Due to the nature of different surfaces, you should do several test areas in inconspicuous areas according to the label instructions to determine surface colour stability and desired results. The end user must determine the suitability of the product for their intended use.

PRECAUTIONS

1. Do NOT spray;
2. Always Test first;
3. Read entire label and product technical bulletin before using;
4. Wear appropriate skin, eye and foot protection;
5. Use in a well ventilated area;
6. Floor will get slippery during stripping process. Take appropriate precautions to prevent slip falls;
7. Use when surface temperature is between 4°C and 32°C.

APPLICATION – STRIPPING:

1. Read entire label before using;
2. SHAKE WELL before using;
3. Sweep or vacuum surface;
4. Apply a liberal amount of Aqua-Seal STC™ Strip-It™ to a small manageable area of up to 4m²;
5. Do NOT dilute;
6. Spread with a roller, mop, sponge or brush;
7. Allow product to dwell minimum 1 hour without drying or until coating or residue softens. DO NOT ALLOW THE PRODUCT TO DRY ON THE SURFACE;
8. Agitate with a solvent resistant scrub pads, scrub brush or scrub machine;
9. Remove the residue with a wet vac or with clean, absorbent white cotton towels;
10. Rinse thoroughly with clean water;
11. Repeat the process as necessary;
12. Surface ready for light traffic in minimum 1 hour or after all fumes have dissipated. Allow at least 48-hour drying time before applying Aqua-Seal STC™ sealers, coatings or floor finishes. Always test first.

COVERAGE

Approximately 10–40 square meters per 4 litres. The coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface, the application method, severity of the problem and dilution used.

LIMITATIONS

- Do not mix with other chemicals or allow product to come in contact with any non-recommended surfaces;
- Will affect the sealers, coatings, floor finishes and painted surfaces.

HANDLING AND STORAGE:

- Close container tightly after each use.
- Store in original container only.
- Store in temperatures between 4°C and 32°C.

FIRST AID

For advice, contact a Poisons Information Centre (Phone 131 126) or a doctor. If swallowed, do NOT induce vomiting. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information centre or a Doctor, or for at least 15 minutes. If skin or hair contact occurs, remove contaminated clothing and flush skin with and hair with running water. If irritation persists, seek medical attention. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of accident or if you feel unwell, seek medical advice immediately.

SAFETY DIRECTIONS

Avoid contact with skin and eyes. May cause stomach distress, nausea or vomiting. May cause respiratory tract irritation.

WARNING: KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTION BEFORE OPENING

WARRANTY

Aqua-Seal STC™ "The Manufacturer" warrants to the original purchaser of its products that such products are free from manufacturing defect and does not warrant or guarantee the workmanship performed by any person or firm installing its products. The manufacturer's obligation under this warranty is limited solely to the original purchaser and solely shall be limited to the replacement of the product sold. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with the printed instructions. The manufacturer makes no other warranties either expressed or implied. The end user must determine the suitability of the product for their intended use.

ALWAYS DO A TEST FIRST.



Section 1 - Identification of The Material and Supplier

Aqua Seal STC™ Unit 7, 38 Waratah Street Kirrawee NSW 2232 Australia	Phone: +61 2 9521-4000 Fax: +61 2 9521-5222 http://www.aqua-seal.com.au/
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Chemical nature: Water solution of ingredients.

Trade Name: **XtremeClean™**

Product Code: 103-000

Product Use: High alkaline cleaner and degreaser for stone, tile, grout, concrete & masonry.

Creation Date: **August, 2011**

This version issued: **August, 2011** and is valid for 5 years from this date.

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: C, Corrosive. Hazardous according to the criteria of SWA.

Dangerous according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: R34, R37. Causes burns. Irritating to respiratory system.

Safety Phrases: S20, S23, S26, S28, S46, S24/25, S37/39. When using, do not eat or drink. Do not breathe vapours or mists. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. After contact with skin, wash immediately with plenty of water. If swallowed, contact a doctor or Poisons Information Centre immediately and show this MSDS or label. Avoid contact with skin and eyes. Wear suitable gloves and eye/face protection.

SUSMP Classification: S6

ADG Classification: Class 8: Corrosive Substances.

UN Number: 1719, CAUSTIC ALKALI LIQUID, N.O.S.

Emergency Overview

Physical Description & Colour: Clear red liquid.

Odour: Lemon fragrance.

Major Health Hazards: causes burns, respiratory tract irritant.

Potential Health Effects

Inhalation:

Short Term Exposure: Available data indicates that this product is an inhalation irritant. Symptoms may include headache, irritation of nose and throat and increased secretion of mucous in the nose and throat. Other symptoms may also become evident, but they should disappear after exposure has ceased. If liquid enters nasal passages, it will cause pain and burn nasal membranes. Patients with inhalation burns may develop acute pulmonary oedema.

Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short Term Exposure: Available data indicates that this product is corrosive to the skin. Capable of causing moderate to severe burns with ulceration. Can penetrate to deeper layers of skin, resulting in third degree burns. Corrosion will continue until product is removed or neutralised. Severity depends on concentration and duration of exposure. Burns may not be immediately painful; the onset of pain may be minutes to hours.

Long Term Exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

Short Term Exposure: This product is corrosive to eyes. It will cause severe pain, and corrosion of the eye and surrounding facial tissues. Unless exposure is quickly treated, permanent blindness and facial scarring is likely.

Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short Term Exposure: Significant oral exposure is considered to be unlikely. However, this product is corrosive to the gastrointestinal tract. Capable of causing moderate to severe burns with ulceration. Can penetrate to deeper layers of skin,

MATERIAL SAFETY DATA SHEET



resulting in third degree burns. Corrosion will continue until product is removed or neutralised. Severity depends on concentration and duration of exposure.

Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m ³)	STEL (mg/m ³)
Sodium hydroxide	1310-73-2	<10	2	Peak
Ethanolamine	141-43-5	<10	7.5	15
Alkaline salts		<5	not set	not set
Other non hazardous ingredients	secret	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation: If irritation occurs, contact a Poisons Information Centre, or call a doctor. Remove source of contamination or move victim to fresh air. If breathing is difficult, oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. In severe cases, symptoms of pulmonary oedema can be delayed up to 48 hours after exposure.

Skin Contact: Flush contaminated area with lukewarm, gently flowing water for at least 40 minutes, by the clock. DO NOT INTERRUPT FLUSHING. If necessary, keep emergency vehicle waiting (show paramedics this MSDS and take their advice). Under running water, remove contaminated clothing, shoes and leather goods (eg watchbands and belts). Strongly basic ingredients tend to penetrate the skin and so need longer rinsing than other substances. If irritation persists, repeat flushing. Seek medical attention.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 20-30 minutes, by the clock, while holding the eyelid(s) open. Neutral saline solution may be used as soon as it is available. DO NOT INTERRUPT FLUSHING. If necessary, keep emergency vehicle waiting (show paramedics this MSDS and take their advice). Take care not to rinse contaminated water into the unaffected eye or onto face. If irritation persists, repeat flushing. Call a Poisons Information Centre or a doctor urgently. Take special care if exposed person is wearing contact lenses.

Ingestion: If swallowed, do NOT induce vomiting; rinse mouth thoroughly with water and contact a Poisons Information Centre. Urgent hospital treatment is likely to be needed. Give activated charcoal if instructed.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is little risk of an explosion from this product if commercial quantities are involved in a fire. Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: Not Combustible. Use extinguishing media suited to burning materials. Water fog or fine spray is the preferred medium for large fires. Aim to dilute the material with large quantities of water. If practical, contain diluted material and prevent from entering drains and water courses.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade. There is little danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Recommended personal protective equipment is liquid-tight chemical protective clothing and breathing apparatus.

Flash point: Does not burn.

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Upper Flammability Limit:	Does not burn.
Lower Flammability Limit:	Does not burn.
Autoignition temperature:	Not applicable - does not burn.
Flammability Class:	Does not burn.

Section 6 - Accidental Release Measures

Accidental release: In the event of a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Wear full protective chemically resistant clothing including eye/face protection, gauntlets and self contained breathing apparatus. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, Viton, Nitrile. Eye/face protective equipment should comprise as a minimum, protective goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8).

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Because of the corrosiveness of this product, special personal care should be taken in any cleanup operation. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Contaminated area may be neutralised by washing with weak or dilute acid. Vinegar, citrus juice and most soft drinks may be suitable. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Store in a cool, well ventilated area. Check containers periodically for corrosion and leaks. Containers should be kept closed in order to minimise contamination. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. If you keep more than 2500kg or L of Dangerous Goods of Packaging Group II, you may be required to license the premises or notify your Dangerous Goods authority. If you have any doubts, we suggest you contact your Dangerous Goods authority in order to clarify your obligations. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m³)	STEL (mg/m³)
Sodium hydroxide	2	Peak
Ethanolamine	7.5	15

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Eye Protection: Your eyes must be completely protected from this product by splash resistant goggles with face shield. All surrounding skin areas must be covered. Emergency eye wash facilities must also be available in an area close to where this product is being used.

Skin Protection: Because of the dangerous nature of this product, make sure that all skin areas are completely covered by impermeable gloves, overalls, hair covering, apron and face shield. See below for suitable material types.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, Viton, nitrile.

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Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Clear red liquid.
Odour:	Lemon fragrance.
Boiling Point:	Approximately 100°C at 100kPa.
Freezing/Melting Point:	Below 0°C.
Volatiles:	Water component.
Vapour Pressure:	2.37 kPa at 20°C (water vapour pressure).
Vapour Density:	No data.
Specific Gravity:	1.1 approx
Water Solubility:	Completely soluble in water.
pH:	13-14
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data
Autoignition temp:	Not applicable - does not burn.

Section 10 - Stability and Reactivity

Reactivity: Most strong alkalis and bases react with inorganic and organic acids to form salts. They can also react with some metals liberating hydrogen gas. These reactions may be rapid and sometimes liberate much heat. They can also decompose many organic materials such as esters, in a reaction called hydrolysis.

Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Keep containers and surrounding areas well ventilated.

Incompatibilities: acids, zinc, tin, aluminium and their alloys, other substances reactive with strongly alkaline liquids.

Fire Decomposition: Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Local Effects:

Target Organs: There is no data to hand indicating any particular target organs.

Classification of Hazardous Ingredients

Ingredient	Risk Phrases
Sodium Hydroxide	Conc>=5%: C; R35
Ethanolamine	>=5%Conc<10%: Xi; R36/37/38

Section 12 - Ecological Information

Salts, acids and bases are typically diluted and neutralised when released to the environment in small quantities. However, until diluted or neutralised it will kill all aquatic organisms it contacts due to extreme pH.

Section 13 - Disposal Considerations

Disposal: This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to separate the contamination in some way. Only if neither of these options is suitable, consider landfill, but we recommend that it be neutralised in a controlled manner before disposal.

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Section 14 - Transport Information

ADG Code: 1719, CAUSTIC ALKALI LIQUID, N.O.S.

Hazchem Code: 2R

Special Provisions: 274

Limited quantities: ADG 7 specifies a Limited Quantity value of 1 L for this class of product.

Dangerous Goods Class: Class 8: Corrosive Substances.

Packaging Group: II

Packaging Method: P001, IBC02

Class 8 Corrosive Substances shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 4.3 (Dangerous When Wet Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), 6 (Toxic Substances where the Toxic Substances are cyanides and the Corrosives are acids), 7 (Radioactive Substances), Foodstuffs and foodstuff empties. They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.1 (Flammable Gases), 2.2 (Non-Flammable, Non-Toxic Gases), 2.3 (Poisonous Gases), 3 (Flammable liquids), 4.1 (Flammable Solids), 4.2 (Spontaneously Combustible Substances), 6 (Toxic Substances except where the Toxic Substances are cyanides and the Corrosives are acids) and 9 (Miscellaneous Dangerous Goods).

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

The following ingredients: Sodium hydroxide, Alkaline salts, are mentioned in the SUSMP.

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

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Please read all labels carefully before using product.

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MATERIAL SAFETY DATA SHEET

DESCRIPTION

Aqua-Seal XtremeClean™ is a fast acting concentrated high alkaline cleaner and degreaser. It is designed to remove most wax, grease, oil, light soap scum, mildew and algae. Effectively removes most factory applied waxes, floor finishes and is ideal for areas that have been neglected or subject to heavy use.

USES

Use on all natural stone, grout, ceramic, porcelain, terracotta, Saltillo, quarry tiles, terrazzo, concrete, pavers and masonry surfaces.

TEST FIRST

Due to the nature of different surfaces, you should do several test areas in inconspicuous areas according to the label instructions to determine surface colour stability and desired results. The end user must determine the suitability of the product for their intended use.

PRECAUTIONS

1. DO NOT KNEEL IN THIS PRODUCT, AVOID ALL SKIN CONTACT;
2. Always Test first;
3. Read entire label and product technical bulletin before using;
4. Wear appropriate skin and eye protection;
5. Use when surface temperature is between 4°C and 32°C.

INSTRUCTIONS

1. Sweep, vacuum, or wipe surface;
2. Dilute Xtreme Clean™ as follows:
 - a) LIGHT: Mix 10 parts water to 1 part product;
 - b) MODERATE: Mix 5 parts water to 1 part product;
 - c) HEAVY: Mix 3 parts water to 1 part product;
 - d) STRIPPING WAX: Mix 2 parts water to 1 part product;
3. Carefully apply the solution to pre-wet surface with a sponge or a mop;
4. Allow minimum dwell time of 3-5 minutes for cleaning or 10 minutes for stripping - DO NOT ALLOW THE PRODUCT TO DRY ON THE SURFACE;
5. Scrub with a white nylon pad, scrub brush or scrub machine;
6. Remove the dirty solution with a wet vac or mop;
7. Rinse thoroughly with clean water;
8. Repeat the process as necessary.

LIMITATIONS

- Do not mix with other chemicals or allow product to come in contact with any non-recommended surfaces;
- Regular use of high alkaline cleaners will affect the performance of sealers.

COVERAGE

Approximately 40–130 square meters per 4 litres. The coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface, the application method, severity of the problem and dilution used.

HANDLING AND STORAGE

- Close container tightly after each use.
- Store in original container only.
- Store in temperatures between 4°C and 32°C.

FIRST AID

For advice, contact a Poisons Information Centre (Phone 131 126) or a doctor. If swallowed, do NOT induce vomiting. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor, or for at least 15 minutes. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation persists, seek medical attention.

WARNING

Corrosive. May produce severe burns. Attacks skin and eyes.

SAFETY DIRECTIONS

Wear eye protection when mixing or using. Wear protective gloves when mixing or using.

POISON: KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTION BEFORE OPENING

CONTAINS

SODIUM HYDROXIDE 50G/L, ALKALINE SALTS 30 G/L

UN No 1824

HAZCHEM 2 R

CLASS 8

PG III

TRANSPORTATION NAME

SODIUM HYDROXIDE SOLUTION

WARRANTY

Aqua-Seal STC™ "The Manufacturer" warrants to the original purchaser of its products that such products are free from manufacturing defect and does not warrant or guarantee the workmanship performed by any person or firm installing its products. The manufacturer's obligation under this warranty is limited solely to the original purchaser and solely shall be limited to the replacement of the product sold. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with the printed instructions. The manufacturer makes no other warranties either expressed or implied. The end user must determine the suitability of the product for their intended use.

ALWAYS DO A TEST FIRST.