Section 1 - Identification of The Material and Supplier

Aqua Seal STC™ **Phone: +61 2 9521-4000**
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Kirrawee NSW 2232 Australia **http://www.aqua-seal.com.au/**

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.

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

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 I I.
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 (7th 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)]