



SAFETY DATA SHEET

PRODUCT NAME **CONCRETE SHIELD WET LOOK - PREMIUM**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier name FORTIS ADHESIVES & COATINGS
Address 177 – 179 Ordish Rd, Dandenong South, VIC, 3175, AUSTRALIA
Telephone 03 9706 5448
Emergency 13 11 26
Web site www.fortisadhesives.com.au
Synonym(s) N/A
Use(s) SEALANT
Concrete Sealer, Paver Sealer, Stone Sealer, Tessellated Tile Sealer, Brick Sealer.
SDS date 08 April 2015

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

Risk Phrases

R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases

S1/2 Keep locked up and out of reach of children.
S16 Keep away from sources of ignition - No smoking.

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN Number None Allocated **Transport Hazard Class** None Allocated
Packing Group None Allocated **Hazchem Code** None Allocated

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	CAS Number	EC Number	Content
ETHANOL	64-17-5	200-578-6	<1%
METHANOL	67-56-1	200-659-6	<1%
OCTAMETHYLCYCLOTETRASIOXANE	556-67-2	209-136-7	<1%
SILOXANES AND SILICONES, DI-ME, [[3-[(2-AMINOETHYL)AMINO] PROPYL]SILYLIDYNE]TRIS(OXY)]TRIS-, METHOXY-TERMINATED	67923-07-3	-	30 to 60%
ALKANES, C10-13-ISO	68551-17-7	271-366-9	10 to 30%
ALKANES, C10-14-ISO	68551-18-8	271-367-4	<10%
HEXAMETHYLDISILOXANE	107-46-0	203-492-7	<2%
METHYLTRIETHOXYSILANE	2031-67-6	217-983-9	<1%

4. FIRST AID MEASURES

Eye	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.
Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.
Ingestion	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.
Advice to doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability	Combustible. May evolve toxic gases (carbon/ silicon oxides, formaldehyde, methanol) when heated to decomposition.
Fire and explosion	Treat as per requirements for surrounding fires. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
Extinguishing	Use an extinguishing agent suitable for the surrounding fire.
Hazchem code	None allocated.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Ventilate area where possible.
Environmental precautions	Prevent product from entering drains and waterways.
Methods of cleaning up	Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. Eliminate all sources of ignition.
References	See Sections 8 and 13 for exposure controls and disposal.

7. STORAGE AND HANDLING

Storage	Store in a cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate fire protection systems. Store as a Class C1 Combustible Liquid (AS1940).
Handling	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Ethanol	SWA (AUS)	1000	1880	--	--
Methanol	SWA (AUS)	200	262	250	328

Biological limits

Ingredient	Determinant	Sampling Time	BEI
METHANOL	Methanol in urine	End of shift	15 mg/L

Reference: ACGIH Biological Exposure Indices

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Engineering controls	Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.
PPE	
Eye / Face	Wear splash-proof goggles.
Hands	Wear PVC or rubber gloves. When using large quantities or where heavy contamination is likely, wear viton (R) gloves.
Body	When using large quantities or where heavy contamination is likely, wear coveralls.
Respiratory	Where an inhalation risk exists, wear a Type A (Organic vapour) respirator.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	CLEAR LIQUID
Odour	CHARACTERISTIC ODOUR
Flammability	CLASS C1 COMBUSTIBLE
Flash point	> 60.5°C
Boiling point	NOT AVAILABLE
Melting point	NOT AVAILABLE
Evaporation rate	NOT AVAILABLE
pH	NOT AVAILABLE
Vapour density	NOT AVAILABLE
Specific gravity	1.03 (Approximately)
Solubility (water)	INSOLUBLE
Vapour pressure	NOT AVAILABLE
Upper explosion limit	NOT AVAILABLE
Lower explosion limit	NOT AVAILABLE
Partition coefficient	NOT AVAILABLE
Autoignition temperature	NOT AVAILABLE
Decomposition temperature	NOT AVAILABLE
Viscosity	< 100 mPa.s @ 25°C (Approximately)
Explosive properties	NOT AVAILABLE
Oxidising properties	NOT AVAILABLE
Odour threshold	NOT AVAILABLE

10. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended conditions of storage.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid exposure to moisture.
Material to avoid	Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), alkalis (e.g. sodium hydroxide), heat and ignition sources.
Hazardous Decomposition Products	May evolve toxic gases (carbon/ silicon oxides, formaldehyde, methanol) when heated to decomposition.
Hazardous Reactions	Hazardous polymerization is not expected to occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary	May be harmful - irritant. During the curing process, small amounts of methanol vapour are evolved. This may only present a hazard in poorly ventilated areas. Use safe work practices to avoid eye or skin contact and inhalation. Due to the product form and nature of use, the potential for adverse health effects may be reduced. The cured product is considered non toxic.
Eye	Irritant. Contact may result in irritation, lacrimation, pain and redness.
Inhalation	Irritant. Over exposure to vapours may result in irritation of the nose and throat, coughing, nausea and headache.
Skin	Irritant. Contact may result in drying and defatting of the skin, rash and dermatitis.

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Ingestion	May be harmful. Ingestion may result in gastrointestinal irritation, nausea and vomiting. However, due to product form ingestion is considered unlikely.
Toxicity data	ETHANOL (64-17-5) LC50 (inhalation) 20000 ppm/10 hours (rat) LCLo (inhalation) 21900 ppm (guinea pig) LD50 (ingestion) 3450 mg/kg (mouse) LD50 (intraperitoneal) 3600 ug/kg (rat) LD50 (intravenous) 1440 mg/kg (rat) LD50 (subcutaneous) 8285 mg/kg (mouse) LDLo (ingestion) 1400 mg/kg (human) LDLo (intraperitoneal) 3000 mg/kg (dog) LDLo (intravenous) 1600 mg/kg (dog) LDLo (skin) 20 g/kg (rabbit) LDLo (subcutaneous) 19440 (infant) TCLo (inhalation) 20000ppm/7 hours (1-22 days pregnant rat - reproductive) TDLo (ingestion) 50 mg/kg (human) METHANOL (67-56-1) LC50 (inhalation) 50 g/m ³ /2 hours (mouse) LCLo (inhalation) 1000 ppm (monkey) LD50 (ingestion) 300 mg/kg (human) LD50 (skin) 15,800 mg/kg (rabbit) LDLo (ingestion) 143 mg/kg (human) LDLo (skin) 393 mg/kg (monkey) TCLo (inhalation) 300 ppm human (visual effects) TDLo (ingestion) 3429 mg/kg (man-visual change) OCTAMETHYLCYCLOTETRASILOXANE (556-67-2) LCLo (inhalation) 48 g/m ³ /8hrs (rat) LD50 (ingestion) 1540 mg/kg (rat) LD50 (skin) 1770 mg/kg (rat) HEXAMETHYLDISILOXANE (107-46-0) LC50 (inhalation) > 48 g/m ³ /1 hour (rat) LD50 (intraperitoneal) 4500 mg/kg (mouse) LD50 (skin) 16 mL/kg (rabbit) LDLo (ingestion) 8 mL/kg (rat) LDLo (intraperitoneal) 1825 mg/kg (rat) TDLo (ingestion) 42 g/kg/28 days-intermittent (rat) METHYLTRIETHOXYSILANE (2031-67-6) LCLo (inhalation) 4,000 ppm/8 hours (rat) LD50 (ingestion) 8,570 µL/kg (rat) LD50 (skin) 13,300 µL/kg (rabbit)

12. ECOLOGICAL INFORMATION

Toxicity	May be harmful to aquatic organisms.
Persistence and degradability	No information provided.
Bioaccumulative potential	Bioaccumulation is not expected to occur.
Mobility in soil	No information provided.
Other adverse effects	No information provided.

13. DISPOSAL CONSIDERATIONS

Waste disposal	For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. For large quantities, contact the manufacturer/supplier for additional information. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.
Legislation	Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
UN Number	None Allocated	None Allocated	None Allocated
Proper Shipping Name	None Allocated	None Allocated	None Allocated
Transport Hazard Class	None Allocated	None Allocated	None Allocated
Packing Group	None Allocated	None Allocated	None Allocated

Environmental hazards No information provided

Special precautions for user

Hazchem code None Allocated

15. REGULATORY INFORMATION

Poison schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Inventory Listing(s) **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**

All components are listed on AICS, or are exempt.

UNITED STATES: TSCA (US Toxic Substances Control Act)

All components are listed on the TSCA inventory, or are exempt.

16. OTHER INFORMATION

Additional information

SILICONE SEALANTS: Toxic vapours released upon curing may result in eye and respiratory tract irritation. A hazard exists when high concentrations are generated in poorly ventilated areas. Once curing is complete, irritating or toxic vapours should no longer be evolved and therefore an inhalation hazard is no longer anticipated. In this cured state the sealant is considered inert and relatively non toxic.

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PRODUCT NAME CONCRETE SHIELD WET LOOK - PREMIUM**Abbreviations**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	EC No - European Community Number
EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS	Globally Harmonized System
GTEPG	Group Text Emergency Procedure Guide
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m ³	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm	Parts Per Million
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

Report status

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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