


Safety Data Sheet

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	AQUAPOXY HARDENER
Other Names	Product Code: 53202__.
Recommended Use	Epoxy coating. Part of a two component system. Consult the SDS for the Base prior to use.
Company Name	Resene Paints (Australia) Limited T/A Altex Coatings
Address	7 Production Avenue Molendinar, Queensland 4214.
Emergency Tel	Available Monday – Friday, 8:00 a.m. – 5:00 p.m.
Free Call	1800 738 383
Phone	07 3287 0222
Fax	07 3287 0226

SECTION 2. HAZARDS IDENTIFICATION

Hazard Statement	HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. According to the criteria of the Safe Work Australia and the ADG code.	
GHS Classification	Skin Irritation/Corrosion Specific Eye Damage/Irritation Sensitisation - Skin	Category 2 Category 2A Category 1
Label Elements	 WARNING	
Hazard Statements	Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.	
Precautionary statements	Wear protective gloves/eye/face protection and any other personal protective equipment as required. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid breathing fume/gas/mist vapours/spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment.	

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion %
	Reaction product: Bisphenol-A-(epichlorhydrin)	25068-38-6	30 – 60
	1-methoxy-2-propanol	107-98-2	< 10
	2,2,4—trimethylpentane 1,3-diol monoisobutyrate	25265-77-4	< 10

Benzyl alcohol	100-51-6	< 10
Phenol formaldehyde glycidyl ether polymer	28064-14-4	< 10
Ethoxylated alcohol	84133-50-6	< 10
Mixed fungicides	Various	< 1
Water		30 – 60

SECTION 4. FIRST AID MEASURES

Swallowed	Rinse mouth. Never give anything by mouth to an unconscious person. Seek medical advice.
Eye	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. If eye irritation persists, get medical advice or attention.
Skin	Remove all contaminated clothing and wash before re-use. Wash skin with plenty of soap and water/ shower. If skin irritation or rash occurs get medical advice or attention.
Inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.
Aggravated medical conditions caused by exposure.	May aggravate existing skin conditions. May cause skin dryness and cracking. May cause allergic reaction with repeated or excessive skin contact. Irritating to eyes and skin.
Chronic Health Effects	May cause an allergic skin reaction.
Advice to doctor	Treat symptomatically

SECTION 5. FIRE FIGHTING MEASURES

Extinguisher	Foam, Carbon Dioxide, Dry Chemical
Hazards from combustion products	Oxides of Carbon and Nitrogen.
Special protective precautions and equipment for fire fighters	Material can splatter above 100°C. Do not allow contaminants and water from fire fighting to enter drains or water course.
Hazchem code	Not assigned

SECTION 6. ACCIDENTAL RELEASE MEASURES

Emergency procedures	In confined areas wear protective equipment. Keep spectators away and avoid breathing dust or vapours. Floor may be slippery, use care to avoid falling.
Environmental hazard	Harmful to the aquatic life. May cause long term effects on the aquatic environment. Prevent by any means possible from entering drains, streams and watercourses.
Methods and materials for containment and clean up.	<p>Minor spills Contain and absorb small quantities with vermiculate or other absorbent material. Wipe up. Collect residues in a waste container.</p> <p>Major spills Prevent, by any means available, spillage from entering drains or water course. Contain spill with sand, earth or vermiculite.</p>

Transfer liquid to containers for recovery or disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling	Avoid damaging containers. Keep lids on containers when not in use. People handling this product should wash their hands and face before eating and/or smoking. Handle containers carefully to prevent damage and/or spillage.
Conditions for safe storage including any incompatibilities	Storage temperatures: Max: 40°C, Min: 1°C. Avoid excessive changes in temperature. Avoid storing with strong oxidisers, acids and alkalis

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards for mixture	No exposure standard has been established for this product. Exposed individuals are not reasonably expected to be warned, by smell, that the exposure standard is being exceeded. If the breathing zone concentration of ANY of the components is exceeded then the individual is deemed to be over exposed.
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Component	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
1-methoxy-2-propanol	100	369	150	553

Biological limits None allocated

Personal Protection

Eyes.	Tight fitting safety goggles or face shield. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.
Hands	Wear chemical protective gloves, e.g. Nitrile or nitrile-butadiene rubber.
Clothing	Standard issue work clothes, e.g. overalls, should be worn. Wear safety footwear.
Respirator	Selection of the Class and Type of respirator will depend on the level of confinement of the contamination. The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required. Refer to AS1716 for selection of appropriate respirator.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear viscous liquid
Odour	Mild
pH	Not determined
Flash point	Not applicable
Auto ignition temp.	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Boiling point	100°C
Freezing Point	0°C

Solubility	Soluble
Density	Not known
Volatile by weight	47%

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	Product is considered stable under normal storage and handling conditions.
Conditions to avoid	Presence of incompatible materials. Excessive heat and changes in temperature.
Incompatible materials	Strong oxidisers, acids and alkalis.
Hazardous decomposition products	Oxides of carbon and nitrogen, and smoke.
Hazardous reactions	Hazardous polymerisation will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

No data available for this product. Reference is made, where available to individual constituents.

Acute Toxicity:

Swallowed:

Possible irritation of the mucous membranes.

Inhaled:

Vapour or mist may be irritating to mucous membranes and respiratory system.

Skin:

May cause mild irritation.

Eyes:

Irritating to eyes.

Chronic Health Effects:

May cause sensitisation by skin contact. May cause Allergic contact dermatitis.

SECTION 12. ECOLOGICAL INFORMATION

Expected to be toxic to the environment with long lasting effects. Classified as Toxic to the Environment Category II Chronic.

Avoid release to the environment.

Reaction product: Bisphenol-A-(epichlorhydrin)

LC₅₀ flathead minnow (96hr): 3.1 mg/L

EC₅₀ daphnia magna (48hr immobilization): 1.4 – 1.7 mg/L

Persistence/Degradability and Mobility

Product is mobile and may contaminate groundwater.

The volatile component of this product is rapidly degraded in the atmosphere and will not bio accumulate significantly.

Based on OECD guidelines, Reaction product: Bisphenol-A-(epichlorhydrin) cannot be considered to be readily biodegradable (12% biodegradation in 28 days, OECD test 302B). However, this does not mean that the material will not degrade under environmental conditions.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods and containers	Consult State Land Waste Management Authority for disposal.
Special precautions for landfill or incineration	Incinerate residue at an approved site. Recycle containers if possible, or dispose of in an approved landfill.

SECTION 14. TRANSPORT INFORMATION

UN Number	Not regulated according to the criteria of the ADG7 code.
UN Proper shipping name	-
Class	-
Subsidiary risk	-
Packing Group	-
Marine Pollutant	Aquatic Toxicity: Category 2 Chronic
Hazchem Code	Not specified.

SECTION 15. REGULATORY INFORMATION

Poison Schedule 5

FIRST AID	A	For advice, contact a Poisons Information Centre, Australia 13 1126, New Zealand 0800 764 766, or a doctor (at once).
	G3	If swallowed, do NOT induce vomiting
	E2	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.
	S1	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

SAFETY DIRECTIONS

- 1 Avoid contact with eyes.
- 4 Avoid contact with skin.
- 8 Avoid breathing dust, vapour or spray mist.

The hazardous components listed in Section 3 of this SDS appear in the Australian Inventory of Chemical Substances (AICS) database.

NZ Group Standard: HSR002670 Surface Coatings & Colourants (Subsidiary Hazard)

NZ HSNO Classification: 6.3A 6.4A 6.5B 9.1C

SECTION 16. OTHER INFORMATION

Date of Preparation: 7th August 2013

Replaces: 21st December 2010

Literature references.

Preparation of Safety Data Sheets for Hazardous Chemicals. Safe Work Australia. 2011 *Code of Practice*.

Australian Dangerous Goods Code – 7th Edition.

MSDS's for individual raw materials.

NZ SDS and evaluation for this product.

Safe Work Australia Hazardous Substance Information System; Search Exposure Standards.
<http://hsis.safeworkaustralia.gov.au/ExposureStandards>

Standard for the Uniform Scheduling of Medicines and Poisons. No. 3

AICS Search page – NOHSC <http://www.nicnas.gov.au/industry/aics/search.asp>

Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Third Revised Edition.
United Nations. New York and Geneva, 2009.

Abbreviations:

HSNO	Hazardous Substances New Organisms
NOHSC	National Occupational Health and Safety Commission
ADG	Australian Code for the Transport of Dangerous Goods by Road & Rail
TWA	Time weighted average
STEL	Short term exposure limit
CAS Number	Chemical Abstract Service registry number

Safety data sheets are updated frequently. Please ensure that you have a current copy.

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END OF SDS