

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: ARMOURBOND HARDENER

Other Names:

Recommended Use: Part B of a 2 pack epoxy

Company Name: Resene Paints Limited New Zealand **Address:** 32-50 Vogel Street, Naenae, Wellington, NEW ZEALAND
P O Box 38242, Wellington Mail Centre

Phone: (04) 577 0500 Fax: (04) 577 0600

Resene Paints Limited Australia **Address** 7 Production Avenue, Molendinar, Queensland 4214
P O Box 785, Ashmore City, Queensland 4214
AUSTRALIA

Phone 1800 738 383

Emergency Telephone:

New Zealand 0800 737 363 Available Monday - Friday 8.00am - 4.30pm

New Zealand Poisons Centre: 0800 764 766

Australia 1800 738 383

Australian Poisons Centre: 131 126

SECTION 2. HAZARDS IDENTIFICATION

Hazard Classificaton HAZARDOUS according to NZ HSNO Regulations
Regulated under NZS5433 for land transportation

Risk Phrases Not assigned

Safety Phrases Not assigned

Substance Classification 3.1C 6.1Doral 6.1Ebderm 6.5A 6.5B 6.9B 8.2C 8.3A 9.1C 9.2C

Hazard Statements Flammable liquid and vapour
Harmful if swallowed
May be harmful in contact with skin
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
May cause damage to organs through prolonged or repeated exposure.
Causes severe skin burns and serious eye damage
Harmful to aquatic life with long lasting effects
Harmful to the soil environment

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredients | % | CAS No | TWA |
|--|-------|------------|--|
| Diethylenetriamine/ MIBK ketamine adduct w | 30-60 | 68541-07-1 | 4.2 mg/m ³ as di <small>NZ OSH (WES) 2002</small> |
| Formaldehyde, polymer with methylbenzene | 10-30 | 71302-83-5 | None Establish |
| C18 fatty acid dimer/polyethylenepolyamine | 10-30 | 68410-23-1 | None Establish |
| Benzyl Alcohol | 10-30 | 100-51-6 | 5 mg/m ³ <small>Russia</small> |
| 2,4,6-Tris dimethylaminomethyl phenol | 1-10 | 90-72-2 | 19 mg/m ³ as p <small>NZ OSH (WES) 2002</small> |

SECTION 4. FIRST AID MEASURES

Eyes Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation persists get medical attention/advice.

Swallowed: Rinse mouth. DO NOT induce vomiting.
Call a POISON CENTRE (NZ 0800 764766) or Australia (131 126) or doctor/physician if you feel unwell.

Skin IF ON SKIN: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF skin irritation occurs: Get medical advice/attention.

Inhaled If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. IMMED call a POISON CENTRE or doctor/physician.

Aggravated medical conditions caused by exposure

Chronic Health Effects Not Identified
Advice to Doctor Treat symptomatically

SECTION 5. FIRE FIGHTING MEASURES

Extinguisher Foam, Carbon Dioxide, Dry Chemical

Hazards from combustion products

Special protective precautions and equipment for firefighters

Fire/Explosion Hazard Auto Ignition Temperature Lower Explosion Limit Upper Explosion Limit

Hazchem Code Flash Point

3W 22°C

SECTION 6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Keep spectators away and avoid breathing dust or vapours

Methods and materials for containment and clean up

Minor Spills Use absorbent clean up materials, such as fire retardant treated sawdust or diatomaceous earth.

Keep spills (and as much as possible cleaning runoffs) out of municipal sewers and waterways.

Wear protective clothing and breathing apparatus.

Sweep up.

Place in separate container for disposal or recovery.

Clean up spills immediately.

Major Spills Dike and contain spill with inert materials (eg. Sand).

Keep spills (and as much as possible cleaning runoffs) out of municipal sewers and open bodies of water.

Restrict access to area. No smoking or naked lights.

Clear area of personnel and move upwind.

Alert Fire Brigade and tell them location and nature of hazard.

Consider evacuation (or protect in place).

Stop leak if safe to do so.

Collect recoverable product into labelled containers for recycling.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling Avoid damaging containers. Keep lids on containers when not in use

Conditions for safe storage including any incompatibilities

Storage Temperatures Min 1°C Max 40°C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards for mixture No exposure standards has been established for this product

Component Breathing Zone ppm Breathing Zone mg/m³

Personal Protection

Eye: Safety eyewear with splash guards or side shields to prevent eye contact is recommended when using any paint.

Hands/Feet Protective clothing. Gloves of neoprene or nitrile rubber - Industrial weight lined gauntlet recommended.

Other Overalls, impervious clothing, barrier cream, eyewash unit, skin cleansing cream.

Practice good caution and personal cleanliness to avoid skin contact. Avoid breathing vapours of heated materials. Wash hands thoroughly before handling food.

Respirator None required

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear viscous liquid

Odour pH Vapour Pressure Vapour Density Boiling Point Melt Freeze

Ester n/a

Solubility Volatile by Weigh
Immiscible

SECTION 10. STABILITY AND ACTIVITY

Chemical Stability Product is considered stable under normal storage and handling conditions.

Conditions to Avoid Freezing, excessive heat and changes in temperature

Incompatible Materials

Hazardous decomposition product Oxides of carbon and nitrogen

Hazardous reactions Hazardous polymerisation will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

No data available for this product

Component Oral:LD50 mg/k Dermal:LD50 mg/k Inhale:LC50 pp

SECTION 12. HAZARDS IDENTIFICATION

Do not allow the product to enter the environment

No data available for this product

Component Fish:LC50 mg/Lt BCF:<100 Kow

SECTION 13. DISPOSAL CONSIDERATIONS

Special precautions for landfill or incineration

Consult manufacturer for recycling options and recycle where possible

Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed

SECTION 14. TRANSPORT INFORMATION

Transport only in accordance with the following regulations

UN Number 3469
 Proper Shipping Name Paint related product, Flammable, Corrosive
 Subsidiary Risk 8
 Poison Schedule
 Packing Group: III
 Class 3
 HAZCHEM Code 3W

Special precautions for user

SECTION 15. REGULATORY INFORMATION

Do not empty into drains

Group Standard HSR002663 Surface Coatings & Colourants - Flammable, Corrosive

Approved Handler Not required

SECTION 16. OTHER INFORMATION

Date of Preparation 31/10/2011
 Literature references MSDS's for individual raw material

Abbreviations:

NOHSC National Occupational Health and Safety Commission
 TWA Time weighted average
 STEL Short term exposure limit
 CAS Number Chemical Abstract Service registry number
 TLV Threshold limit value
 Marine Pollutant Marine Pollutant

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

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