

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: ARMOURZINC 125 HARDENER

Other Names:

Recommended Use: Part B of a two pack epoxy zinc paint

Company Name: Resene Paints Limited

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

Address: 32-50 Vogel Street

Naenae Wellington NEW ZEALAND

P O Box 38242 Wellington Mail Centre

Emergency Telephone: 0800 737 363 Available Monday - Friday 8.00am - 4.30pm

New Zealand Poisons Centre: 0800 764 766

SECTION 2. HAZARDS IDENTIFICATION

Hazard Classification HAZARDOUS according to NZ HSNO Regulations

Regulated under NZS5433 for land transportation

Risk Phrases

Safety Phrases

Substance Classification 3.1C 6.1E 6.3A 6.5A 6.8B 6.9B 8.3A 9.1D 9.3C

Hazard Statements Flammable liquid and vapour
 May be harmful if swallowed
 Causes skin irritation
 May cause allergy or asthma symptoms or breathing difficulties if inhaled
 May cause an allergic skin reaction
 Suspected of damaging fertility or the unborn child
 Causes damage to organs through prolonged or repeated exposure

 Causes serious eye damage
 May cause long lasting harmful effects to aquatic life
 Harmful to terrestrial vertebrates

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	%	CAS No	TWA	
Dimethylbenzene	> 60	1330-20-7	217 mg/m ³	NZ OSH (WES) 2002
2,4,6-Tris dimethylaminomethyl phenol	< 10	90-72-2	19 mg/m ³ as p	NZ OSH (WES) 2002

+ NZ OSH (WES) 2002

SECTION 4. FIRST AID MEASURES

Eye: 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: If swallowed dilute by giving two glasses of water to drink. DO NOT induce vomiting. Consult physician or New Zealand National Poisons Centre (Ph 0800 764 766) Australian National Poisons Centre (Ph 1800 131 126) IMMEDIATELY.

Skin Remove/take off all contaminated clothing and wash before re-use. Wash skin with water/shower and plenty of soap. If skin irritation occurs get medical advice/attention.

Inhaled Provide fresh air, give oxygen or artificial respiration if breathing laboured.

Aggravated medical conditions caused by exposure

Chronic Health Effects

Advice to Doctor

SECTION 5. FIRE FIGHTING MEASURES

Page 1 of 4

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 3[Y]	Flash Point 18°C	449°C	1.2%	8.0%

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 Clean up spills immediately.

Ventilate area, avoid breathing of vapours.

Remove all ignition sources.

Wear protective clothing and breathing apparatus.

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.

Sweep up.

Place in separate container for disposal or recovery.

Major Spills Restrict access to area. No smoking or naked lights.

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

Consider evacuation (or protect in place).

Clear area of personnel and move upwind.

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

Stop leak if safe to do so.

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

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 None assigned. Refer to individual constituents.

Component Pigments	Breathing Zone ppm	Breathing Zone mg/m³
---------------------------	---------------------------	--

Personal Protection

Eyes 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.

Use in well ventilated area with explosion proof equipment. When added to other product mixture contains hazards from both components.

Respirator

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear liquid

Odour	pH	Vapour Pressure	Vapour Density	Boiling Point	Melt Freeze	Solubility	Volatile by Weight
Hydrocarb	n/a	0.5kPa	3.7	138°C	- 48°C	Insoluble	83

SECTION 10. STABILITY AND ACTIVITY

Page 2 of 4

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

Conditions to Avoid Freezing, excessive heat and changes in temperature

Incompatible Material Strong oxidisers, acids, alkalis

Hazardous decomposition product Oxides of carbon and nitrogen
Oxides of carbon and nitrogen

Hazardous reactions Hazardous polymerisation will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

No data available for this product

No data available for this product

Refer to individual raw materials

Refer to individual raw materials

SECTION 12. HAZARDS IDENTIFICATION

No data available for this product

Do not allow the product to enter the environment

SECTION 13. DISPOSAL CONSIDERATIONS

Special precautions for landfill or incineratio

Mix with Part B and allow to harden and then dispose of in an authorised landfill. Triple rinse the empty container until clean. Recycle washings where appropriate. Puncture can to prevent re-use.

Dispose of empty can in approved landfill. Do not allow washings to enter waterways.

Puncture containers to prevent re-use

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

Dispose of in an approved landfill

SECTION 14. FIRST AID MEASURES

UN Number 1263

UN Proper shipping Paint related product

Subsidiary risk

Poison Schedule

HAZCHEM Code 3[Y]

Packing Group: III

Class 3 Flammable Liquid

Special precautions for user

SECTION 15. REGULATORY INFORMATION

Group Standard HSR002662 Surface Coatings & Colourants (Flammable)

Approved Handler Not required

SECTION 16. OTHER INFORMATION

Date of Preparation 10/06/2008

Literature references MSDS's for individual raw material

Abbreviations:

NOHSC National Occupational Health and Safety Commissio

TLV Time weighted averag

STEL Short term exposure limit

CAS Numbe Chemical Abstract Service registry numbe

TWA Threshold limit valu

Marine Pollutant Marine Pollutant

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

The information contained herein is based on data considered accurate and reliable to the best of our knowledge and belief as of the date compiled. However no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use hereof. Resene Paints (New Zealand) Limited assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material. Such users or vendors assume all risks associated with the use of the material. It is the users responsibility to satisfy themselves as to the suitability and completeness of the information for their own particular use. The users must determine whether the use of the information and data is in accordance with local laws and regulations.