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MATERIAL SAFETY DATA SHEET

Version Number: 1
Date Issued: 13/04/2005

IDENTIFICATION

Product Name: ARMOURCOTE 515 H.S. HARDENER

Other Names:

Description: PAINT RELATED MATERIAL

Uses: Minor component of a two pack epoxy

U N Number: 1263
Dangerous Goods Class: 3
Hazchem Code: 3[Y]
Toxic Substances Schedule: Third
Packing Code: III

Classification of Hazardous Nature:

Regulated under NZ Dangerous Goods legislation. Regulated under NZ Toxic Substance legislation. Regulated under NZSS5433 for land transportation. HAZARDOUS according to NZ HSNO Regulations.

Physical Description/Properties

Appearance-Viscosity-Odour-pH: Viscous Liquid with amine/solvent odour.
Melting or Freezing Point: Not Known
Boiling Point: 117°C
Vapour Pressure (mm Hg @ 25 C): 0.5
Vapour Density (Air=1): 3.66
Solubility in Water (g/L @20 C): Insoluble
Percent Volatile (by weight): 35
Specific Gravity (Water=1): < 1
Evaporation Rate (Butyl Acetate=1): 0.7

INGREDIENTS

CAS Reg. No.

Approx. Proportion

WES - TWA

Modified Amine	Not Known	Med 10-60%	None Established
Xylene	1330-20-7	Med 10-60%	217 mg/m ³ +
2,4,6-Tris dimethylaminomethyl phen	90-72-2	Low 0-10%	54 mg/m ³
Butanol	71-36-3	Low 0-10%	150 mg/m ³ +

+ NZ OSH (WES) 2002

HEALTH HAZARD INFORMATION

Health Effects:-

Skin: May cause sensitisation upon repeated or prolonged contact.

Eyes: May cause irritation to eyes.

Inhaled: May be mildly discomforting. May cause sensitisation upon repeated or prolonged contact.

Swallowed: Can be harmful if swallowed.

Long Term Hazard: Contains materials that are suspected human carcinogens.

First Aid:-

Skin: Wash affected area thoroughly with soap and water.

Eyes: Flush eyes immediately with plenty of water for at least 15 minutes and get medical attention.

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

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) or Australian National Poisons Centre (Ph 1800 131 126) IMMEDIATELY. Never give anything by mouth to an unconscious person.

Advice to Doctor: Treat symptomatically.

PRECAUTIONS FOR USE

Personal Protection:-

Skin: Protective clothing. Gloves of neoprene or nitrile rubber-Industrial weight lined gauntlet recommended.

Eyes: Splash proof goggles recommended..

Breathing: Class AUS 1 half face respirator with type A organic vapour filter.

Other: Use in well ventilated area with explosion proof equipment. Mixed product contains hazards from both components.

Ventilation: Sufficient ventilation, in volume and pattern, should be provided to keep air contaminant concentrations below WES - TWA limits.

SAFE HANDLING INFORMATION

Storage and Transport:-

Storage Maximum: 40°C Store cool at constant temperature.

Temperature: Minimum: 1°C

Container Type and Material: Lacquer lined steel tins

Incompatible Substances: Strong oxidizers, acids, alkalis

Conditions to Avoid: Freezing, excessive heat and changes in temperature.

Hazardous Polymerisation: Will not occur.

Usual Decomposition Products Oxides of Carbon and Nitrogen.

Spills: Keep spectators away and avoid breathing vapours or dust. Floor may be slippery: use care to avoid falling. Dike and contain spill with inert materials (eg sand). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal. Keep spills (and as much as possible cleaning runoffs) out of municipal sewers and open bodies of water.

Disposal: Incinerate the liquid and contaminated diking material at a permitted facility, or otherwise dispose of in accordance with all applicable regulations. Keep container closed, upright when not in use. Store in cool, dry, well ventilated area.

Fire/Explosion Hazard: Flash Point: 20°C

Auto Ignition Temperature: 495°C

Upper Explosion Limit %: 7.7

Lower Explosion Limit %: 1.1

Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical.

Special Fire Fighting Procedures:

Wear self contained breathing apparatus. Closed container may explode when exposed to extreme heat. Isolate from heat, electrical equipment, sparks and open flame.

Other Information:

Keep container closed, upright when not in use. Store in cool, dry, well ventilated area.

Contact Point: New Zealand Telephone 0800 737363 Australia Telephone 1800 738383 (24 hour)

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