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MATERIAL SAFETY DATA SHEET

Version Number: 6
Date Issued: 11/06/2001

IDENTIFICATION

Product Name: ARMOURCOTE 515 HARDENER

Other Names:

Description: PAINT

Uses: Hardener component for 2 pack protective coating

U N Number: 1263

Dangerous Goods Class: 3.3

Hazchem Code: 3[Y]

Toxic Substances Schedule: Third

Packing Code: 111

Classification of Hazardous Nature:

Hazardous according to NZ Dangerous Goods and Toxic Substance Regulations.

Physical Description/Properties

Appearance-Viscosity-Odour-pH: Low viscosity clear amber liquid. Solvent/amine odour.

Melting or Freezing Point: Not known

Boiling Point: Not known

Vapour Pressure (mm Hg @ 25 C): Not known

Vapour Density (Air=1): Greater Than 1

Solubility in Water (g/L @20 C): Less than 50

Percent Volatile (by weight): 57%

Specific Gravity (Water=1): 0.92

Evaporation Rate (Butyl Acetate=1): Greater than 1

INGREDIENTS

CAS Reg. No.

Approx. Proportion

WES - TWA

Alkylated amine adduct

Not known

Med 10-60%

None Established +

Xylene

1330-20-7

Med 10-60%

80 ppm +

Ethylene diamine

105-15-3

Low 0-10%

None Established

Butanol

71-36-3

Low 0-10%

50 ppm +

Amino Phenol

90-72-2

Low 0-10%

None Established

+ NZ OSH (WES) 1994

HEALTH HAZARD INFORMATION

Health Effects:-

Skin: Irritating to skin upon repeated or prolonged contact. Can cause sensitization or allergic reaction such as rash or hives.

Eyes: Moderately irritating to eyes.

Inhaled: Vapour or mist is irritating to mucous membranes and respiratory system. Excessive inhalation can cause headache, nausea, dizziness, or asphyxiation.

Swallowed: Can be harmful if swallowed.

Long Term Hazard: Overexposure to solvents can damage kidneys, liver and lungs.

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.

Product Name: ARMOURCOTE 515 HARDENER

Page 1 of 2

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 National Poisons Centre (Ph (03) 474 7000) 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 NZS 5812:1982 4.5.2(b).

Eyes: Solvent resistant safety eyewear with splash guards or side shields to prevent eye contact complying with AS/NZS 1337:1992. Refer to 'Eyes at Work' -OSH.

Breathing: Class AUS 1 half face respirator with type A organic vapour filter and class P1 particulate filter. Refer AS/NZS 1715:1994, AS/NZS 1716:1994, 'A Guide to Respirators'- OSH

Other: Use in well ventilated area with explosion proof equipment. Mixed product contains hazards from both components. Refer 'Practical Guide to Safe Use of Organic Solvents'- OSH

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: 5°C

Container Type and Material: Steel tins

Incompatible Substances: Strong oxidisers, acids,alkalis.

Conditions to Avoid: Heat, open flame, arc or sparks.

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.

Fire/Explosion Hazard: Flash Point: 25°C

Auto Ignition Temperature: Not known

Upper Explosion Limit %: Not known

Lower Explosion Limit %: Not known

Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical.

Special Fire Fighting Procedures:

Wear self contained breathing apparatus. Closed containers 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. Copies of, "Practical Guidelines for the Safe Use of Organic Solvents" -OSH, "A Guide to Respirators" -OSH and "Eyes at Work" -OSH can be viewed at Resene Colour Shops or obtained from OSH.

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

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