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MATERIAL SAFETY DATA SHEET

Version Number: 2
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IDENTIFICATION

Product Name: IMPERITE 413 HARDENER
Other Names: Formerly known as IMPERITE 300 HARDENER
Description: PAINT
Uses: Hardener component of two component protective coating

U N Number: 1263
Dangerous Goods Class: 3.3
Hazchem Code: 3[Y]
Toxic Substances Schedule: Fourth
Packing Code: III

Classification of Hazardous Nature:
Hazardous according to NZ Dangerous Goods and Toxic Substance Regulations.

Physical Description/Properties

Appearance-Viscosity-Odour-pH: Clear liquid. Solvent Odour.
Melting or Freezing Point: Not known
Boiling Point: 122-154°C
Vapour Pressure (mm Hg @ 25 C): Not known
Vapour Density (Air=1): Heavier than air
Solubility in Water (g/L @20 C): Less than 50. Decomposes
Percent Volatile (by weight): 25%
Specific Gravity (Water=1): 1.1
Evaporation Rate (Butyl Acetate=1): Less than 1

| INGREDIENTS | CAS Reg. No. | Approx. Proportion | WES - TWA |
|---|--------------|--------------------|--------------------|
| Aliphatic Polyisocyanate (contains HDI @ 0.2%) | 4098-71-9 | High 60-100% | 0.005 ppm* |
| Ester Solvent | 763-69-9 | Med 10-60% | None Established + |
| Xylene | 1330-20-7 | Med10-60% | 50 ppm + |

+ NZ OSH (WES) 2002 * OSHA 2002

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. Asthma-like breathing may be a delayed reaction.

Swallowed: Can be harmful if swallowed.

Long Term Hazard: Overexposure to solvents can damage kidneys, liver and lungs. Do not use if prone to chronic lung or breathing problems or have reacted to isocyanates.

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.

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 0800764766) 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: Solvent resistant safety eyewear with splash guards or side shields to prevent eye contact

Breathing: SPRAY: Full face respirator with continuous positive air supply - 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: Steel tins.

Incompatible Substances: Strong oxidizers, acids, alkalis, water.

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: 38°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 areas. Avoid water or moisture contamination - moisture generates CO₂.

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

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