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MATERIAL SAFETY DATA SHEET

Version Number: 4

Date Issued: 1/07/2006

IDENTIFICATION

Product Name: ARMOURCAT HARDENER

Other Names:

Proper Shipping Name FLAMMABLE LIQUID, CORROSIVE, N.O.S

Uses: Minor component of 2 component protective coating

Group Standard Third

Substance Classification

U N Number: 1263

Classification of Hazardous Nature:

Dangerous Goods Class: 3.3

Regulated under NZ Dangerous Goods Legislation. Not Regulated
under NZ Toxic Substance Legislation. Regulated under NZS5433

Hazchem Code: 3[W]

for land transportation.

Packing Code: III

Physical Description/Properties

Appearance-Viscosity-Odour-pH: Translucent low viscosity liquid. Solvent odour

Melting or Freezing Point: < 0°C

Boiling Point: 106°C

Vapour Pressure (mm Hg @ 25 C): 1.07

Vapour Density (Air=1): 2.55

Solubility in Water (g/L @20 C): 45

Percent Volatile (by weight): 80

Specific Gravity (Water=1): 0.9

Evaporation Rate (Butyl Acetate=1): 0.82

INGREDIENTS

CAS Reg. No.

Approx. Proportion

WES - TWA

Butanol (iso-)

78-83-1

Med 10-60%

152 mg/m³

p-toluenesulfonic Acid

104-15-4

Med 10 -60%

none established

Sulphuric Acid

7664-93-9

Trace

1 mg/m³

+ NZ OSH (WES) 2002

HEALTH HAZARD INFORMATION

Health Effects:-

Skin: Harmful if absorbed through the skin.

Eyes: Irritating to eyes. Contact lenses should not be worn when using. Splashes will be painful.

Inhaled: Vapour or mist is destructive to mucous membranes and respiratory system. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

Swallowed: Vapour or mist is destructive to mucous membranes and respiratory system. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness

Long Term Hazard: Overexposure to solvents can cause damage to brain, kidney, liver & lungs and may lead to blindness. IRAC have determined that occupational exposure to strong inorganic acid mists

containing sulphuric acid is carcinogenic to humans.

First Aid:- 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 764766) or Australian National Poisons Centre (Ph 1800 131126) 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, nitrile rubber-Industrial weight lined gauntlet recommended.

Eyes: Splashproof goggles

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 contain hazards from both components.

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

SAFE HANDLING INFORMATION

Storage and Transport:-

Storage Maximum: 30°C. Store cool at constant temperature.

Temperature: Minimum: 0°C

Container Type and Material: Screw top plastic bottle

Incompatible Substances: Strong oxidizers, strong bases, most common metals, moisture.

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

Hazardous Polymerisation: Will not occur.

Usual Decomposition Products Oxides of Carbon and Sulphur.

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: 28°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. N.O.S. - NOT OTHERWISE SPECIFIED

Approved Handl

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

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