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MATERIAL SAFETY DATA SHEET

IDENTIFICATION

Product Name: G.C.P. INDUSTRIAL 1 THINNERS
Other Names:
Description: PAINT THINNER
Uses: Component for Thinning protective coating
Classification of Hazardous nature: Hazardous according to Australian Dangerous Goods and Toxic Substance Regulations
U N Number: 1263
Dangerous Goods Class: 3.3
Hazchem Code: 3[Y]E
Toxic Substances Schedule: S5
Packing Code: 11

Physical Description/Properties

Appearance: Clear Liquid
Boiling Point: 56 degC
Vapour Pressure: Greater than 20 kPa
Specific Gravity: 0.84
Flash Point: 4 degC {Literature value}
Flammability Limits: Lel = 1.0 Uel = 19.0
Solubility in Water: Immiscible
Auto Ignition Temperature: Not Known

INGREDIENTS	CAS Reg. No.	Approx. Proportion
Aliphatic Alcohol	64-17-5	Up to 8 % w/w
Toluene	108-88-3	50 – 60 % w/w
Acetone	Not Known	12 – 18 % w/w
Methyl Ethyl Kentone	Not Known	Up to 8 % w/w
Aliphatic Hydrocarbons	Not Known	Up to 8 % w/w
Propylene Glycol Mono Methyl Ether Acetate	108-65-6	Up to 8 % w/w

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.

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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 National Poisons Centre (NZ – (03) 474 7000 or Australia - 13 1126) 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 40degC. Store cool at constant temperature.
Temperature: Minimum: 1degC
Container Type and Material: Steel tins.
Incompatible Substances: Strong oxidizers, acids, alkalis.
Conditions to Avoid: Heat, open flames, 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: 44degC
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 Guide to Safe Use Of Organic Solvents – OSH, A Guide to Respirators – OSH, Eyes at Work – OSH can be viewed at Resene Colour Shops or obtained from OSH.

End of MSDS

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