# Material Safety Data Sheet

Infosafe No. 1CHCJ Issue Date: July 2003 RE-ISSUED by CHEMSUPP
Product Name: **MINERAL TURPENTINE**

**Classified as hazardous according to criteria of NOHSC**

## COMPANY DETAILS

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| **Company Name** | CHEM-SUPPLY PTY LTD (ABN 19 008 264 211) |
| **Address** | 50 Bedford Street GILLMAN<br>SA 5013 Australia |
| **Tel/Fax** | Tel: (08) 8440-2000 Fax: (08) 8440-2001 |
| **Other Information** | Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or aquiring equivalent goods. |

## IDENTIFICATION

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| **Product Name** | MINERAL TURPENTINE | |
| **Proper Shipping Name** | TURPENTINE SUBSTITUTE | |
| **Other Names** | **Name** | **Mancode** |
| | Turpentine (Mineral) | |
| | Turps | |
| | MINERAL TURPENTINE | MT058 |
| **UN Number** | 1300 | |
| **DG Class** | 3 | |
| **Packing Group** | III | |
| **Hazchem Code** | 3[Y] | |
| **Poisons Schedule** | S5 | |
| **Product Use** | Solvent and paint thinner. | |

## Physical Data

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| **Appearance** | Colourless mobile liquid. |

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| **Boiling Point** | 146 - 197 °C |
| **Vapour Pressure** | 0.8 kPa @ 38 °C |
| **Specific Gravity** | 0.82 |
| **Flash Point** | 37 °C (TCC) |
| **Flamm. Limit LEL** | 1.0% |
| **Flamm. Limit UEL** | 7.5% |

## Other Properties

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| **Volatile Component** | 100% |
| **Evaporation Rate** | 0.16 (n-butyl acetate = 1) |
| **Vapour Density** | > 1 (air=1) |
| **Odour** | Characteristic aromatic hydrocarbon odour. |
| **Form** | Liquid |
| **Stability** | Stable. |
| **Haz. Polymerization** | Will not occur. |
| **Materials to Avoid** | Strong oxidising agents. |
| **Other Information** | SOLUBILITY: < 0.1 % @ 20 °C |

## Ingredients

| **Ingredients** | **Name** | **CAS** | **Proportion** |
|---|---|---|---|
| | Mineral turpentine | | 100 % |

## HEALTH HAZARD INFORMATION

## Health Effects

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| **Acute - Swallowed** | Harmful: may cause lung damage if swallowed. May cause irritation to mouth, throat and digestive tract, drowsiness, nausea, vomiting and unconsciousness. Aspiration of liquid into the lungs during ingestion or due to vomiting may cause bronchopneumonia or pulmonary edema. |
| **Acute - Eye** | May cause eye irritation. |
| **Acute - Skin** | Irritating to skin. |
| **Acute - Inhaled** | High vapour concentrations may cause irritation to mucous membranes and the respiratory tract. Prolonged exposure to vapours can affect the central nervous system and result in headaches, dizziness and unconsciousness. |
| **Chronic** | Repeated or prolonged contact may defat the skin and lead to allergic contact dermatitis. |

## First Aid

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| **Swallowed** | Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce vomiting. Seek immediate medical assistance. |

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| **Eye** | Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention. |
| **Skin** | Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. Seek medical attention. |
| **Inhaled** | Remove victim from exposure - avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Employ artificial respiration if indicated. Seek medical attention. |
| **First Aid Facilities** | Maintain eyewash fountain and drench facilities in work area. |

**Advice to Doctor**

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| **Advice to Doctor** | Treat symptomatically. Because of risk of aspiration, gastric lavage should only be undertaken after endotracheal intubation. |

**Other Health Hazard Information**

**PRECAUTIONS FOR USE**

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| **Other Exposure Info.** | TWA: 480 mg/m3 - Mineral turpentine (R - Substance requiring review) - Worksafe Aust. |
| **Eng. Controls** | Provide sufficient ventilation. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flame proof exhaust ventilation system is required. Refer to AS 1940-The storage and handling of flammable and combustible liquids and AS 2430-Explosive gas atmospheres for further information concerning ventilation requirements. |

**Personal Protection**

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| **Respirator Type (AS 1716)** | Where ventilation is not adequate, respiratory protection may be required. Avoid breathing vapours or mists. Select and use respirators in accordance with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. When mists or vapours exceed the exposure standards then the use of the following is recommended: Approved respirator with organic vapour and dust/mist filters. Filter capacity and respirator type depends on exposure levels. |
| **Eye Protection** | The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336. |
| **Glove Type** | Hand protection should comply with AS 2161 Industrial Safety Gloves and Mittens (Excluding Electrical and Medical Gloves). |
| **Clothing** | Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals. |
| **Work/Hygienic Practices** | Do not eat, drink or smoke in work areas. Wash hands thoroughly after handling this material. |

**Flammability**

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| **Fire Hazards** | Flammable liquid. |

## SAFE HANDLING INFORMATION

### Storage and Transport

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| **Storage Precautions** | Store in cool place and out of direct sunlight. Store in well ventilated area. Store away from sources of heat or ignition. Store away from oxidizing agents. Keep containers closed at all times. |
| **Transport** | Dangerous goods of Class 3 (Flammable Liquid) are incompatible in a placard load with any of the following:<br>Class 1, Class 2.1, if both the Class 3 and Class 2.1 dangerous goods are in bulk, Class 2.3, Class 4.2, Class 5, Class 6, if the Class 3 dangerous goods are nitromethane, Class 7. |
| **Storage Regulations** | Refer Australian Standard AS 1940 - 1993 'The storage and handling of flammable and combustible liquids'. |
| **Other Storage Info.** | Do not store in low or enclosed areas where vapours may become trapped.<br>Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper grounding procedures. |
| **Proper Shipping Name** | TURPENTINE SUBSTITUTE |
| **EPG Number** | 3A1 |
| **IERG Number** | 14 |
| **Packaging Method** | 5.9.3RT1 |

### Spills and Disposal

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| **Spills & Disposal** | Eliminate all ignition sources (no smoking, flares, sparks or flame) within at least 50m. All equipment in handling this product must be earthed. Do NOT touch or walk through this product. Stop leak if safe to do so. Prevent entry into waterways, drains, confined areas.<br>Vapour suppressing foam may be used to control vapours. Water spray may be used to knock down or divert vapours.<br>Absorb spill with earth, sand or other non-combustible material. Use clean, non-sparking tools to collect material and place it in loosely-covered metal or plastic containers for later disposal.<br>SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL. |

### Fire/Explosion Hazard

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| **Fire/Explos. Hazard** | HIGHLY FLAMMABLE: These products have a low flash point. Will be easily ignited by heat, sparks or flames. Vapours will form explosive mixtures with air. Vapours will travel to source of ignition and flash back. Most vapours are heavier than air and will collect in low or confined areas (drains, basements, tanks). Many liquids are lighter than water. Containers may explode when heated. Fire will produce irritating, poisonous and/or corrosive gases. Vapours from run-off may create an explosion hazard. |
| **Hazardous Combustion Products** | Oxides of carbon. |
| **Fire Fighting Procedures** | Caution: Use of water spray when fighting fire may be inefficient.<br>Small fire: Use foam, dry chemical, CO2 or water spray.<br>Large fire: Use foam, fog or water spray - Do NOT use water jets.<br>If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out. Avoid getting water inside the containers. |
| **Fire Fighting Precautions** | SCBA and structural firefighter's uniform may provide limited protection. Fully encapsulating, gas-tight suits should be worn for maximum protection. |
| **Hazchem Code** | 3[Y] |

## OTHER INFORMATION

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| **Toxicology** | Oral LD50 (rats): > 2000 mg/kg; Dermal LD50 (rabbits): > 2000 mg/kg<br>(Based on testing of similar products and/or components) |
| **Risk Statement** | R38 Irritating to skin.<br>R65 Harmful: may cause lung damage if swallowed. |
| **Hazard Category** | Harmful,Irritant |
| **References** | Commonwealth Department of Health and Aged Care, 'Standard for the Uniform Scheduling of Drugs and Poisons No. 17', Commonwealth of Australia, Canberra 2002.<br>Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley & Sons, Inc., NY, 1997.<br>National Road Transport Commission, 'Australian Dangerous Goods Code 6th. Ed.', AGPS, Canberra, 1998.<br>South Australia Government, 'Approved Code of Practice for the Labelling of Workplace Substances', 1995.<br>Standards Australia, 'SAA/SNZ HB76:1997 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 1997.<br>Worksafe Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]', AusInfo, Canberra 1999.<br>Worksafe Australia, 'List of Designated Hazardous Substances [NOHSC:10005(1999)]', AusInfo, Canberra 1999.<br>Worksafe Australia, 'National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]', AGPS, Canberra 1994.<br>Worksafe Australia, 'National Exposure Standards for Atmospheric Contaminants |

in the Occupational Environment [NOHSC:1003(1995)]', AusInfo, Canberra 1995.

| **User Codes** | | **User Code** |
|---|---|---|
| | Risk Phrases | 38-65 |
| | First Aid Phrases | A,G3 |

**CONTACT POINT**

**Contact** Paul McCarthy Ph. (08) 8440 2000 DISCLAIMER STATEMENT:
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