



# MATERIAL SAFETY DATA SHEET

## SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name: MINERAL TURPENTINE**

Company: Recochem Inc. ABN: 69 010 485 999  
Address : 1809 Lytton Road, Lytton, Queensland 4178  
Phone: (07) 3308 5200 Fax: (07) 3308 5201  
Emergency Telephone Number: (07) 3308 5200 Day, After Hours 1300 131 001

Other Names: Petropine, Thinners/Turps  
Manufacturer's Product Code: 16010  
Recommended Use: Paint Solvent, Paint Thinner, Solvent

## SECTION 2 HAZARDS IDENTIFICATION

**CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA  
A DANGEROUS GOODS ACCORDING TO THE CRITERIA OF THE ADG CODE**

**Symbol:** Xn - Harmful  
**Risk Phrases:** R65 - Harmful: May cause lung damage if swallowed  
**Safety Phrases:** S2 - Keep out of the reach of children  
S23 - Do not breathe vapour  
S24 - Avoid contact with skin  
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)  
S53 - Avoid exposure-obtain special instructions before use  
S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show container or label

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### Hazardous Ingredients

| Chemical Entity                          | CAS Number | Proportion (%) |
|------------------------------------------|------------|----------------|
| Low Aromatic White Spirit                | 64742-82-1 | > 60           |
| Solvent naphtha (petroleum), light arom. | 64742-95-6 | 20 - 40        |
| Contains < 0.1% w/w benzene              |            |                |

## SECTION 4 FIRST AID MEASURES

### FIRST AID TREATMENT

**Swallowed:** If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.  
**Eye:** If in eyes, hold eyes open, flood with water for at least 15 minutes. If irritation persists seek medical attention.  
**Skin:** If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available.  
**Inhaled:** Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

**First Aid facilities:** Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

**Advice to Doctor:** Treat symptomatically.

**Additional Information:** None available.

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## **SECTION 5 FIRE FIGHTING MEASURES**

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**Suitable Extinguishing Media:** Foam, water spray or fog. Dry chemical powder or carbon dioxide for small fires only. Do not use water in a jet.

**Hazards from combustion products:** Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. Vapour is heavier than air, can spread along ground and distant ignition is possible.

**Precautions for Fire Fighters and Special Protective Equipment:** Wear full protective clothing and self-contained breathing apparatus.

**Additional Information:** Hazchem code 3Y.

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## **SECTION 6 ACCIDENTAL RELEASE MEASURES**

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Observe all local and national regulations.

**Spills and Disposal:** Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Remove all sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

**Methods and Materials for Containment and Clean Up Procedures:** For small spills (<1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely. For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

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## **SECTION 7 HANDLING AND STORAGE**

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**Precautions for Safe Handling and Storage:** Avoid contact with skin, eyes and clothing. Avoid breathing vapours. Wash thoroughly after handling. Handle and open container with care in well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not store near aerosols, flammables, strong oxidants and corrosives.

**Dispensing:** Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment. Remove any ignition sources and avoid sparks and any other sources of heat.

**Flammability:** Flammable.

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## **SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Exposure Standards:** Worksafe Australia has set an exposure standard of 480mg/m<sup>3</sup> (90ppm) TWA (8hr).

**Biological Limit Values:** No biological limit allocated.

**Personal Protective Equipment:**

**Respiratory Protection:** If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65 Deg C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.

**Hand Protection:** Use solvent resistant gloves (nitrile for longer term protection or PVC and neoprene for incidental splashes).

**Eye Protection:** Wear safety goggles.

**Protective Clothing:** Use chemical resistant glove/gauntlets, boots and apron. Skin protection not ordinarily required beyond standard issue work clothes.

**Engineering Controls:** Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.

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## **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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### **PHYSICAL DESCRIPTION / CHEMICAL PROPERTIES**

|                                |                               |
|--------------------------------|-------------------------------|
| Appearance                     | Colourless/Pale Yellow Liquid |
| Odour                          | Aromatic                      |
| pH:                            | N/A                           |
| Vapour Pressure (mmHg @ 20°C): | Typical 0.5 kPa               |
| Vapour Density (air = 1)       | 4.35 @ 15 Deg C               |

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|                                 |                         |
|---------------------------------|-------------------------|
| Boiling Point (°C):             | Typical 148 - 200       |
| Freezing/Melting Point (°C):    | Data not available      |
| Solubility in Water             | Not miscible with water |
| Specific Gravity (g/ml @ 15°C): | 0.78 - 0.82 Typical     |
| Flashpoint (°C):                | 31 (Abel)               |
| Flammability Limits (%):        | 0.01 - 7                |
| Auto Ignition Temperature (°C): | Typical 300             |
| Percent Volatiles               | 100                     |

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**SECTION 10 STABILITY AND REACTIVITY**

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**Chemical Stability:** Stable under normal conditions of use.

**Conditions to Avoid:** Avoid heat, sparks, open flames and other ignition sources.

**Incompatible Materials:** Strong oxidising agents.

**Hazardous Decomposition Products:** Thermal decomposition is highly dependant on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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**HEALTH EFFECTS**

*Acute:*

**Swallowed:** Expected to be of low toxicity: LD50>2000mg/kg, Rat. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

**Eye:** Mild irritant.

**Skin:** Mild irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis.

**Inhaled:** Expected to be of low toxicity. LC50 greater than near-saturated vapour concentration 4 hours, Rat.

**Chronic:** Auditory system: prolonged and repeated exposures to high concentrations have resulted in hearing loss in rats. Solvent abuse and noise interaction in the work environment may cause hearing loss. Central nervous system: repeated exposure affects the nervous system.

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**SECTION 12 ECOLOGICAL INFORMATION**

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**Ecotoxicity:**

|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Fish                  | : Expected to be toxic: 1 < LC/EC/IC50 ≤ 10mg/l |
| Aquatic Invertebrates | : Expected to be toxic: 1 < LC/EC/IC50 ≤ 10mg/l |
| Algae                 | : Expected to be toxic: 1 < LC/EC/IC50 ≤ 10mg/l |
| Microorganisms        | : Expected to be toxic: 1 < LC/EC/IC50 ≤ 10mg/l |

**Mobility:** Floats on water.

**Persistence/degradability:** Readily biodegradable. Oxidises by photo-chemical reactions in air.

**Bioaccumulation:** Has the potential to bioaccumulate.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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**Disposal Methods:** Ensure waste disposal conforms to local waste disposal regulations.

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**SECTION 14 TRANSPORT INFORMATION**

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|                               |      |                       |                       |
|-------------------------------|------|-----------------------|-----------------------|
| UN Number:                    | 1300 | Proper Shipping Name: | Turpentine Substitute |
| Class:                        | 3    | Subsidiary Risk:      | None allocated        |
| Packing Group:                | III  | Hazchem Code:         | 3Y                    |
| Special Precautions for User: | None |                       |                       |

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**SECTION 15 REGULATORY INFORMATION**

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Poisons Schedule : 5

AICS : Listed

Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:2010) : 14

**Product: MINERAL TURPENTINE**

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**SECTION 16 OTHER INFORMATION**

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Further Information may be obtained by contacting Recochem on (07) 3308 5200

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The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

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