

# MATERIAL SAFETY DATA SHEET

Generic MSDS

For reference purposes only

**Hazardous according to criteria of Worksafe Australia.**

## I IDENTIFICATION

Product Name: Mineral Turpentine

Other Names: None Correct Shipping Name is "TURPENTINE".

Dangerous Goods Class: Class 3.2 (Flammable Liquid)

Sub Risk Class: No Subsidiary Risk.

Packaging Group: III

EPG: 3A1

Most EPGs may now be substituted by the "Initial Emergency Response Guide" available from Standards Australia.

Poison Schedule: S5 (Australia), Fourth Schedule (New Zealand)

Product Type: Organic liquid/solvent.

Chemical Family: Petroleum hydrocarbon.

Uses: Solvent.

### **Physical appearance & Properties:**

Appearance & Odour: Water-white liquid. Slight kerosene odour.

Melting/softening point: Liquid at normal temperatures.

Boiling point and vapour pressure: 145-200°C

Volatile materials: 98% below 200°C

Flashpoint: 33°C

Specific gravity: 0.82 at 15°C

Solubility in water: Negligible.

Corrosiveness: Not corrosive.

### Ingredients:

Chemical entity	CAS No	Proportion	Worksafe Exposure Limits	
			TWA	STEL
Liquid Hydrocarbon	84742-88-7	% pure*	mg/m <sup>3</sup> 480	mg/m <sup>3</sup> not set

\* Commercially pure.

This is a commercial product, and the exact ratio of components may vary. Trace quantities of impurities are also likely.

## II HEALTH HAZARD DATA

### **Health Effects:**

No specific data is available for the product for chronic exposure symptoms. This product is not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

### **Acute Effects:**

Swallowed: Data suggests that the product should be considered as harmful by ingestion. May cause irritation to mouth, throat and digestive tract. Large dose may cause drowsiness and lead to unconsciousness.

Eye: Data suggests that this product should be classified as a moderate eye irritant. However, permanent eye damage should not be expected.

Skin: Data suggests that product presents medium hazard via skin contact. Repeated or prolonged contact may lead to dermatitic effects.

Inhalation: Inhalation may cause irritation of the nose and throat and cause coughing and chest discomfort. Vapours can affect the central nervous system and result in headache and dizziness. High concentrations of vapours, if exposure is prolonged, may lead to unconsciousness. Aspiration of liquid into the lungs can cause serious (even fatal) pneumonitis.

Primary route of exposure is inhalation and skin and eye contact.

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## **First Aid:**

Swallowed: If swallowed, do NOT induce vomiting. Rinse mouth with water. Give a glass of water to drink. Contact a doctor or the Poisons Information Centre if symptoms of poisoning develop.

Eye: If this product comes into contact with eyes, hold eyes open and wash continuously for 15 minutes with running water. Ensure irrigation under eyelids by occasionally lifting eyelids. Do not attempt to remove contact lenses unless trained. Transport to hospital or doctor immediately.

Skin: If this product comes into contact with skin, wash skin with soap and water for 15 minutes. Remove contaminated clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again. Transport to hospital or doctor immediately.

Inhalation: If fumes or combustion products are inhaled, remove to fresh air. Lay victim down & keep warm and rested. If breathing is shallow, or has stopped, ensure clear airway and apply resuscitation or oxygen if available. Transport to hospital or doctor immediately.

Eye wash stations or baths and deluge showers should be available where product is being used.

Advice to doctor: Treat symptomatically. Note the nature of this product. Because of risk of aspiration, gastric lavage should only be undertaken after endotracheal intubation.

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## **III PRECAUTIONS FOR USE**

Risk Phrases are: R10, R22. Flammable. Harmful if swallowed.

### **Exposure Standards:**

This material has a TWA value of 380 and STEL value not set. Values expressed as mg/m<sup>3</sup>. Exposure values at the STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. Exposure values at the TWA (Time Weighted Average) means the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. See ingredients section on page 1 of this data sheet.

### **Engineering Controls:**

Ventilation must be adequate to ensure that the working environment is below the TWA value. Otherwise, use respiratory protection. Some materials should only be used when respiratory protection is being worn. For information on respiratory protection, consult AS1716. See below for further information.

### **Personal Protection:**

Respiratory Protection: A face mask or respirator should be used when this material is being used.

Protective Gloves: Rubber or PVC gloves are advised.

Eye Protection: Full face mask, safety glasses or goggles are advised.

Clothing: Clean overalls should to be worn, preferably with an apron. All skin areas should be covered.

Safety Boots: Wearing safety boots would be advisory.

Flammability Limits: Lower: 0.9 Upper: 7.0%

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

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## **IV SAFE HANDLING INFORMATION**

Combination Safety Phrases are: S20/21. When using, do not eat, drink or smoke.

### **Storage & Transport:**

UN number is 1299 and Hazchem code is 3[Y]. It is classed as "Class 3.2 (Flammable Liquid)". Being a scheduled poison, the product must be stored, maintained and used in accord with relevant state poisons act. Not to be transported with Classes 1 (Explosives), 2.1 (Flammable Gases) (nb this applies only when in bulk), 2.3 (Poisonous Gases), 4.2 (Spontaneously Combustible Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides) and 7 (Radioactive Substances), foodstuffs or foodstuff empties. Observe all regulations associated with this classification when carrying by road or rail. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure the material does not come into contact with water or acids.

### **Spills and disposals:**

In event of a major spill, clear area of personnel. Alert fire brigade and advise of nature & location of spill. Wear full protective clothing and self contained breathing apparatus, especially in confined spaces. Prevent spillage from entering

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drains or water courses. Stop leak if safe to do so, and contain spill. Absorb onto vermiculite, sand, sawdust or other absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. Recycle containers wherever possible. After spills, wash area, preventing runoff from entering drains. If material enters drains, advise emergency services. This material may be suitable for approved incineration or landfill. Dispose of only in compliance with local, state and federal regulations. Launder all contaminated clothing before re-use.

### ***Fire/Explosion Hazard:***

There is no explosion hazard from this material under normal circumstances. However, very dangerous fire hazard when exposed to flames or oxidisers. Forms explosive mixtures in vapour form.

Flashpoint: 33°C

Extinguishing Media: Carbon dioxide, dry chemical or foam.

Special Fire fighting procedures: Firefighters should wear full protective clothing and self contained breathing apparatus when fighting fires involving this product.

Unusual fire & Explosion hazards: Heat produces toxic and corrosive vapours. Heat may cause violent rupture of containers.

Stability: Stable.

Polymerisation: Will not polymerise.

Decomposition Products: Carbon dioxide, carbon monoxide, water.

Materials to avoid: Strong acids, strong alkalis, strong oxidising agents.

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## **V OTHER INFORMATION**

This MSDS is prepared in accord with the Worksafe Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets", 1994.

### Contact Points:

**Police and Fire Brigade:**

**Dial**

**AUSTRALIA**

**000**

**If ineffective:**

**Dial**

**1100 (Exchange)**

**National Poisons Information Centre:**

**Dial**

**13 1126 (from anywhere in Australia)**

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