

# MINERAL TURPS

## Safety Data Sheet

### 1 IDENTIFICATION

Product name: **MINERAL TURPS**

**Synonyms**

Petropine, Turpentine Substitute

**Product Code**

437

**Recommended use:** Industrial solvent: cleaning and degreasing

**Supplier Name** CLEAN PLUS CHEMICALS PTY LTD

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**SDS Date** 21 JANUARY 2021 Version 1.2

### 2 HAZARDS IDENTIFICATION

**Health Hazard Classification**

This product is classified as hazardous under Australian GHS criteria

**Hazard Categories**

Flammable Liquids: 3; Acute Toxicity - Oral: 3; Acute Toxicity - Inhalation: 4; Acute Toxicity - Dermal 4; Acute Aquatic Toxicant: 3

**Hazardous Statement**

Flammable Liquid and Vapour **GHS Pictograms**



**Hazard Statements**

H226: Flammable liquid and vapour

H302: Harmful if swallowed

H312: Harmful in contact with skin

AUH066: Repeated exposure may cause skin dryness or cracking

H336: May cause drowsiness or dizziness

**Precautionary Statements**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P243: Take precautionary measures against static discharge.

P262: Do not get in eyes, on skin, or on clothing.

P378: Use sand, earth, or chemical foam to extinguish.

P301+312+101: IF SWALLOWED: Call a POISON CENTER/doctor, if you feel unwell, and have product container or label at hand.

**Dangerous Goods Classification 3**

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Poisons Schedule 5

### 3 COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS No.	Proportion (%v/v)
Kerosene	Various	> 60.0
1,2,4-Trimethylbenzene	95-63-6	< 20
Propylbenzene and Isopropylbenzene (Cumene)	98-82-8	< 10
Mesitylene	108-67-8	< 10
Xylene, mixed isomers	1330-20-7	< 5

### 4 FIRST AID MEASURES

For advice, contact Poisons Information Centre (Phone Australia: 13 1126) or a doctor. **Ingestion**

If swallowed, DO NOT induce vomiting. Keep at rest. Seek immediate medical attention.

#### **Eye Contact**

Flush eyes with large amounts of water until irritation subsides. Seek immediate medical attention.

#### **Skin Contact**

Flush area with large amounts of water and wash area with soap if available. Remove contaminated clothing, including shoes, and launder before reuse. Seek medical attention for skin irritations.

#### **Inhalation**

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Seek immediate medical attention.

#### **First Aid facilities**

Provide eye baths and safety showers.

#### **Medical Attention**

Treat according to symptoms. Avoid gastric lavage: risk of aspiration of product to the lungs with the potential to cause chemical pneumonitis.

### 5. FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing firefighters with this Material Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

#### **Suitable extinguishing media**

Dry chemical or foam

#### **Hazards from combustion products**

Carbon dioxide and carbon monoxide

#### **Precautions for fire fighters and special protective**

**equipment** Full protective clothing and self-contained breathing apparatus **Hazchem Code:**

3Y

### 6. ACCIDENTAL RELEASE MEASURES

#### **Emergency Procedures**

Prevent fluid from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

**Methods and materials for containment** Major Land Spill

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- Eliminate sources of ignition.
- Warn occupants of downwind areas of possible fire and explosion hazard.
- Prevent liquid from entering sewers, watercourses, or low-lying areas.
- Keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on the ground water.
- Contain the spilled liquid with sand or earth.
- Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”

### Major Water Spill

- Eliminate any sources of ignition.
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard.
- Notify the port or relevant authority and keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

This product is flammable. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Material will accumulate static charge. Use grounding leads to avoid discharge (electrical spark).

### Conditions for safe storage

Store in a cool, dry place away from direct sunlight. Do not pressurise, cut, heat or weld containers - residual vapours are flammable. This product is flammable and will fuel a fire in progress.

### Incompatible materials

Natural Rubber, Butyl Rubber, EPDM, Polystyrene

## 8. EXPOSURE CONTROLS: PERSONAL PROTECTION

### National Exposure Standards

The time weighted average concentration (TWA) for this product is: 200 mg/m<sup>3</sup> (41 ppm), which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short-term exposure limit (STEL) is: None specified, which is the maximum allowable exposure concentration at any time.

### Biological limit values

Not available

### Engineering Controls: Ventilation

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment.

### Personal Protective Equipment

**Respiratory Protection:** Where concentrations in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type “A” filter material is considered suitable for this product.

**Eye Protection:** Always use safety glasses or a face shield when handling this product.

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**Skin/ Body Protection:** Always wear long sleeves and long trousers or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves (e.g. PVC) be worn when handling this product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	-	Clear, colourless liquid
Boiling Point/ Range	°C	149 – 191
Flash Point	°C	31
Density @ 15°C	g/ml	0.812
Property	Unit of	Typical value
Vapour Pressure @ 20°C	kPa	0.429
Explosive Limits (LEL – UEL)	%	0.6 – 7.0
Vapour Density @ 20°C	kPa	Not available
Autoignition Temperature	°C	> 200
Viscosity @ 25°C	cSt	Not applicable
Percent Volatiles	%	100
Solubility with Water	% w/w	< 0.10

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Product Data Sheet.

### 10. STABILITY AND REACTIVITY

#### **Chemical Stability**

Stable at room temperature and pressure

#### **Conditions to avoid**

Sources of heat and ignition, open flames.

#### **Hazardous decomposition products**

Carbon monoxide, carbon dioxide, and other organic complexes on incomplete burning or oxidation

#### **Hazardous reactions**

Oxidizing agents, mineral acids, halogenated organic compounds

#### **Hazardous Polymerisation**

Will not occur

### 11. TOXICOLOGICAL INFORMATION

#### **Acute Effects**

##### ***Ingestion***

Small amounts of liquid aspirated into the lungs during ingestion, or from vomiting, may cause chemical pneumonitis, or pulmonary oedema. Ingesting any amount of this product will result in headaches, nausea, dizziness, and tracheal burning.

##### ***Eye Contact***

This product is irritating to eyes, but will not permanently damage the eye tissue

##### ***Skin Contact***

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This product is irritating to the skin with prolonged exposure. It may result in dryness and cracking.

### **Inhalation**

This product is irritating to the respiratory tract. Exposure to large concentrations over an extended period of time will result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations, and possible loss of consciousness.

### **Chronic Effects**

This product may contain 0.1 to 1% of ethylbenzene. IARC has evaluated ethylbenzene and classified it as a "possible human carcinogen" (Group 2B) based on sufficient evidence for cancer in exposed humans. This product may contain 0.1 to 1% naphthalene.

### **Other Health Effects Information**

None

### **Toxicological**

**Information** Oral LD<sub>50</sub>:

Not available Dermal

TC<sub>Lo</sub>: Not available

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### **Aquatic**

#### **Toxicity**

Fish Toxicity (rainbow trout, goldfish, bluegill):

LC<sub>50</sub>(96hr): Based on data for a similar component or preparation, this product is expected to be toxic to aquatic organisms.

Daphnia Magna EC<sub>50</sub> (24 hr):

Not available

Blue-green algae (Toxicity threshold 7-8 days):

Not available

Green algae (Toxicity threshold 7-8 days):

Not available

### **Persistence/ degradability**

This product will evaporate and commence degradation on exposure to light and air.

### **Mobility**

If product enters soil, it will be highly mobile and may contaminate groundwater

## 13. DISPOSAL CONSIDERATIONS

### **Disposal Methods**

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain fumes and vapours that are flammable and harmful. Ensure that empty packaging is allowed to dry.

### **Special Precautions for Landfill or Incineration**

This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product is ashless and can be burned directly in appropriate equipment.

## 14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	1300	UN No.	1300	UN No.	1300
Proper Shipping Name	Turpentines	Proper Shipping Name	Turpentines	Proper Shipping Name	Turpentines
DG Class	3	DG Class	3	DG Class	3
Sub. Risk	None	Sub. Risk	None	Sub. Risk	None

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Pack Group	III	Pack Group	III	Pack Group	III
Hazchem	3Y	Hazchem	3Y	Hazchem	3Y

### **Dangerous Goods Segregation**

This product is classed as Dangerous Goods Class 3, packing group III. Please consult the Australian Dangerous Goods Code for Transport by Road and Rail for information.

## **15. REGULATORY INFORMATION**

**Country/ Region:** Australia

**Inventory: AICS Status:** Listed

**Poisons Schedule:** 5

## **16. OTHER INFORMATION**

### **Additional Information**

#### **ABBREVIATIONS:**

ADB - Air-Dry Basis.  
BEI - Biological Exposure Indice(s)  
CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.  
CNS - Central Nervous System.  
EINECS - European Inventory of Existing Commercial Substances.  
GHS - Globally Harmonized System  
IARC - International Agency for Research on Cancer.  
M - moles per litre, a unit of concentration.  
mg/m<sup>3</sup> - Milligrams per cubic meter.  
NOS - Not Otherwise Specified.  
NTP - National Toxicology Program.  
OSHA - Occupational Safety and Health Administration.  
pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).  
ppm - Parts Per Million.  
RTECS - Registry of Toxic Effects of Chemical Substances.  
TWA/ES - Time Weighted Average or Exposure Standard.

#### **HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Clean Plus Chemicals report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

#### **PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this Clean Plus Chemicals report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

#### **Report Status**

This Safety Data Sheet document has been compiled by Clean Plus Chemicals. Further clarification regarding any aspect of this product should contact Clean Plus Chemicals directly. While Clean Plus Chemicals has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Clean Plus Chemicals accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.