

Material Safety Data Sheet

Oleo Pine Resin

Section 1 - Chemical Product and Company Identification

MSDS Name : Oleo Pine Resin
Synonyms : Pine Resin Turpentine
Company Identification : Tradeasia International Pte Limited
133 Cecil Street # 12-03 Keck Seng Tower, Singapore
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Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
8006-64-2	Turpentine	100.0 %

Section 3 - Hazards Identification

Fire and explosion hazard : **Flammable**
Health hazard : **Xn - Harmful**
Harmful by inhalation, skin contact and if swallowed.
Irritating to eyes and skin.
May cause sensitization by skin contact.
Harmful: may cause lung damage by ingestion.

Environmental hazard : **N - Environmental hazard**
Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

Section 4 - First Aid Measures

General Information:

Seek medical help in case of any doubt or occurrence of disease symptoms.

Inhalation:

In case of inhalation of vapors, remove the patient into fresh air, keep warm and at rest. If necessary, administer oxygen or artificial respiration. Seek medical help in case of more severe damage.

Skin Contact:

Remove contaminated clothes. Wash the skin with soap and water. Seek medical help if skin irritation persists.

Eye Contact:

Rinse with plenty of water for several minutes, also under eyelids. Continue to rinse for several minutes, moving the eye into extreme positions. Contact an eye specialist (hazard of corneal damage).

Ingestion:

Rinse the mouth cavity with plenty of water and seek medical help. DO NOT induce vomiting!

Information for physician or other professional administering first aid:

Show the label and the material safety data sheet.

Section 5 - Fire and Explosion Data

Suitable extinguishing materials:

Dry powder, foam or carbon dioxide.

Unsuitable extinguishing materials:

Never use water.

Special hazards in case of fire:

Irritating and harmful compounds may be released during burning.

Special protective equipment in case of fire:

Compressed-air-operated protective mask, protective clothing.

Special instructions:

Vessels and containers of the product located near open flame shall be cooled down with a jet of water from a sufficient, safe distance.

Section 6 - Accidental Release Measures

Personal precautions:

Persons in a contaminated area shall be evacuated to the upwind part of the area. Fire and explosion risks are eliminated by isolating the area from sources of ignition and preventing vapours from accumulating in hollows and closed spaces.

Environmental precautions:

Try to prevent the contamination from spreading and the material from entering the environment. Liquid product shall be collected before it can spread into drains, soil and water.

Spillages:

Collect as much of the material as possible into a clean container for re-use or disposal. Residues shall be absorbed with a special oil absorber which shall be stored in a fire-proof environment (spontaneous combustion may occur). Waste containing the product shall be disposed of in compliance with national regulations.

Other necessary information:

Environmental contamination shall immediately be reported to the local rescue service. Sufficient personal protection equipment shall be used at all work operations.

Section 7 - Handling and Storage

Handling:

The product shall be handled in a well-ventilated space. Use a protective mask if necessary. The liquid/vapors are highly flammable. Prevent sparks caused by static electricity. Production shall be isolated from sources of ignition. Smoking is prohibited!

Section 8 - Exposure Controls, Personal Protection

Exposure control in working environment

The product shall be used in a closed system or ensuring sufficient ventilation. Do not eat, drink or smoke in the working area. Wash hands before breaks; wash yourself with running water and soap in a shower after work. A bottle with water for rinsing the eyes shall be kept at the workplace. Apply skin cream after work. Working clothes should be washed with alkaline washing agents.

Respiratory protection

If necessary, use a protective mask fitted with an A filter.

Hand protection

Use nitrile protective gloves of a material impermeable for aromatic hydrocarbon compounds. Protective gloves shall be replaced regularly to prevent the chemical from filtering through the material.

Eye protection

Protective goggles.

Skin protection

Use protective clothing and footwear, preferably of antistatic material.

Section 9 - Physical and Chemical Properties

General Information	:	Colorless, transparent liquid with a characteristic odor
pH	:	N/A
Boiling point / boiling range	:	154°C – 170°C
Flash point	:	-35 °C (in a sealed container)
Self-ignition temperature	:	253°C
Melting point / melting range	:	-50°C to -60°C
Explosion limits	:	0.8 volume % (min) and 6.0 volume % (max)
Oxidising properties	:	-
Vapor Pressure	:	0.25 – 0.67 kPa (20°C)
Relative density	:	~ 0.87 g/cm ³
Solubility	:	non-soluble in water
Vapor Density	:	4,7 (air = 1)

Section 10 - Stability and Reactivity

Conditions to avoid

Stable at normal temperature and pressure. Avoid storing of the product in open containers. Prevent occurrence of static electricity, open flame, smoking. Avoid working in a space without air exchange.

Materials to avoid

Keep separated from highly oxidising substances - strong alkalies and strong acids.

Hazardous decomposition products

Formed at slow degradation of the substance caused by air and light. Oxidation products: oxidants, calcium hypochlorit, chlorine, stanneous chloride, halogenes, mineral acids. Toxic smoke containing carbon monoxide is released at thermal degradation.

Section 11 - Toxicological Information

Acute toxicity

at ingestion: LD50 =5760 mg, rat

Irritating and corrosive effect

Irritating to eyes and skin.

Sensitising properties

Skin contact may cause allergy.

Information obtained from practical use

Harmful at inhalation, skin contact and if swallowed.

Harmful: may cause lung damage at ingestion.

Section 12 - Ecological Information

Ecotoxicity - Ecological information

Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

LD50/96h, fish = 198 mg/L

Bacteria: EC10 (*Pseudomonas putida*); 9000 mg/L

Mobility

Non-soluble in water, the product evaporates easily from ground and water surface.

Bioaccumulation

Low accumulation but easily volatile.

Other necessary information

Do not release into bodies of water, drains and soil.

Section 13 - Disposal Considerations

Residual chemical and used containers shall be disposed of according to the valid legislation regulating waste management.

Section 14 - Transportation Information

UN Number	:	1299
Packaging Group	:	III
Land Transport		
Hazard division of cargo / ADR class	:	3
Hazard ID number	:	30
Name according to accompanying document	:	Turpentine

Sea Transport

IMDG-code : 3
Accurate technical name : Turpentine

Air Transport

ICAO/IATA-code : 3
Accurate technical name : Turpentine

Section 15 – Obligatory Information On The Label

Information on the label

Hazard symbol and its meaning

Xn - Harmful

N - Environmental hazard

Names of ingredients to be indicated on the label

Turpentine

Risk phrases

R10 - Flammable.

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

R36/38 - Irritating to eyes and skin.

R43 - May cause sensitization by skin contact.

R65: Harmful: may cause lung damage if swallowed.

R51/53 - Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

Safety phrases

S2 - Keep out of the reach of children.

S36/37 - Wear suitable protective clothing and gloves.

S46 - If swallowed, seek medical advice immediately and show the container or label.

S61 - Avoid release to the environment. Refer to special instructions / safety data sheets.

S62 - If swallowed, do not induce vomiting; seek medical advice immediately and show the container or label.

Section 16 - Other Information

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