

Material Safety Data Sheet Distilled Tall Oil

Section 1 - Chemical Product and Company Identification

Synonyms : Tall Oil (Distilled)
Molecular Weight : NA
Chemical Formula : NA
Company Identification : Tradeasia International Pte. Limited
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Section 2 - Composition and Information on Ingredients

Composition:

Chemical Name	CAS No	Purity, %
Distilled Tall Oil	8002-26-4	10-30

Section 3 – Hazards Identification

3.1 Classification of the substance according to GHS

Hazard statements

None

3.2. GHS Label elements, including precautionary statements

None

Prevention statements

P264 Wash hands thoroughly after handling

Section 4 – First-Aid Measures

4.1. Description of first aid measures

Skin contact

Wash immediately with soap and water. If irritation develops, seek medical attention. Launder contaminated clothing.

Eye contact

Rinse immediately with plenty of water for 15 minutes. Remove contact lenses if present and easy to do. Do not use neutralizing agents. If irritation persists, seek immediate medical (ophthalmologist) attention.

Inhalation

Remove the victim into fresh air. Observe victim's breathing. If breathing is labored seek immediate medical attention.

Ingestion

Rinse mouth with plenty of water. For ingestion of large quantities seek immediate medical attention. Do not induce vomiting. Contact poison control center.

Note to physicians

Treat symptomatically.

Section 5 – Fire Fighting Measures

5.1. Suitable Extinguishing media

Carbon dioxide, dry chemical and water spray. Avoid using a direct stream of water.

5.2. Specific hazards arising from the chemical

If porous materials such as rags or papers are soaked with mixture, spontaneous combustion may occur. Exposure to temperature above the flash point (200 C). Reactivity with strong oxidizers or strong bases.

5.3. Special protective actions for fire-fighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Section 6 – Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Mixture is not hazardous. If mixture is a mist, stay upwind. Wear rubber gloves, rubber boots, face shield and chemical hazard suit. If material is a mist wear dust mask or self contained breathing apparatus. Mark the spill area with hazard tape or cones. Contain the spill area with suitable absorbent. Keep away from streams, rivers and lakes. If mixture is a mist, alert immediate neighborhood to close windows and doors. Contain and dissipate mist via spraying with water.

6.2. Environmental precautions

Keep out of streams, rivers and lakes. Mixture is regulated as oil under the Clean Water Act. Abide by all laws per this regulation.

6.3. Methods and material for containment and cleaning up

Use chemical absorbent pigs or manually spread chemical absorbent onto spill area. After the mixture is absorbed, dispose in approved waste facility. Approved materials include dry earth, sand, clay, chemical absorbent, vermiculite and carbon.

Section 7 – Handling and Storage

7.1. Precautions for safe handling

Handling temperature is about 10 C above the melt point (8 C). Use rubber hoses or stainless steel (grade 304) lines. Stainless steel (grade 304) for pumps.

7.2. Conditions for safe storage, including any incompatibilities

Store in dry area. Store at room temperature. Store in dyke area to contain any spills. Protect from heat. Incompatibilities: Strong oxidizers and strong bases.

Section 8 – Exposure Controls/Personal Protection

8.1. Control parameters

Components	CAS-No.	Value	Control parameters	Basis
Tall Oil (distilled)	8002-26-4	No data available	No data available	NA

8.2. Appropriate engineering controls

- Showers
- Eyewash station
- If mist exists, install ventilation equipped with carbon canisters. Ventilation should be 10 air exchanges per hour. Local exhaust ventilation is recommended.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Rubber gloves and safety glasses. Dust mask if mist exists.

Section 9 – Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance : Yellow liquid

Odour : Mild fatty acid odor

Odour threshold : N.A.
pH @ 20°C : N.A.
Melting point : -8 °C
Boiling point : >200 °C
Flash point : NA
Evaporation rate : N.A.
Flammability : N.A.
Upper/lower flammability or explosive limits : no data available
Vapour pressure : Negligible @ 20°C
Vapour density : N.A.
Relative density : : 0.94 at 25/25 (water = 1.0)
Solubility in water : 9 mg/l at 20 °C
Partition coefficient: n-octanol/water : N.A.
Auto-ignition temperature : N.A.
Decomposition temperature : N.A.
Viscosity : N.A.

9.2. Other information

NA

Section 10 – Stability and Reactivity

10.1. Reactivity

May react violently with oxidizers.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Violent reaction with: Strong oxidiser, Strong alkali

10.4. Conditions to avoid:

This product mixture may self combust after sorption into porous materials such as cloth rags, paper, insulation or organic clay.

10.5. Incompatible materials

Oxidizers

10.6. Hazardous decomposition products

Carbon dioxide, carbon monoxide and oxides of sulfur.

Section 11 – Toxicological Information

11.1. Information on likely routes of exposure

Inhalation exposure from mist or spray. Skin and eye exposure from mist or spray, or from splashing.

11.2. Information on toxicological effects

Labored breathing and irritation of the lungs may occur. Mild irritation may occur.

11.3. Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity: No information available.

11.4. Numerical measures of toxicity – Product Information

Oral LD50 : Rat > 5000mg/kg

Section 12 – Ecological Information

Aquatic

ecotoxicity

Fish LL50 : 96-hr LL50 >1000 mg/l loading rate WAF; NOEL 1000 mg/l loading rate WAF

Daphnia EC50 : 48-hr EL50 >1000 mg/l loading rate WAF; NOEL 1000 mg/l loading rate WAF

Algae EL50 : 72-hr EL50 > for AUC = 1000 mg/l loading rate WAF; NOEL 1000 mg/l loading rate WAF

Persistence and degradability

Water : 73% 28 days STURM OECD 301B. Readily biodegradable.

Soil : Koc = 340,000 (oleic acid). Koc = 163,000 (linoleic acid). 0.20 - 0.66 days half life (oleic acid). Immobile.
Air : 5.1 hour half life (oleic acid). 3.0 hour half life (linoleic acid).

Bio-accumulative potential

Log Kow : 4.9 - 7.7 at 30 C. The mixture has a potential to bioaccumulate

Mobility in soil

Surface tension : Air 64 mN/m at 22 C.

Soil mobility : Koc = 340,000 (oleic acid). Koc = 163,000 (linoleic acid). Immobile.

Other adverse effects

Air : Not dangerous to the ozone layer.

Water : Mild pollutant to surface of water. Bio-accumulative.

Section 13 – Disposal Considerations

13.1. Disposal methods

Storage tank residues : Dispose via an approved incineration facility. Dispose via an approved land fill facility.
Dispose only in accordance with local, state and federal regulations.

Empty package residues : Remove package to an approved package cleaning and recycling facility. Dispose only in accordance with local, state and federal regulations.

Transport trailer residues : Clean transport trailer at an approved cleaning facility. Disposal of cleaning residues must be in accordance with local, state and federal regulations.

Absorbent material : Dispose via an approved incineration facility. Dispose via an approved land fill facility.
Dispose only in accordance with local, state and federal regulations.

Section 14 – Regulatory Information

15.1. International Inventories

TSCA USA : Listed.

AICS Australia : Listed.

DSL Canada : Listed.

EC Europe : Listed.

ECL Korea : Listed.

IECSC China : Listed.

ENCS Japan : Listed.

NzloC New Zealand : Unknown.

PICCS Philippines : Listed.

SWISS Switzerland : Unknown.

Section 15 : Additional Information

References: Not available.

Other Special Considerations: Not available.

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