Material Safety Data Sheet

Tall Oil Pitch

Section 1 - Chemical Product and Company Identification

Synonyms : Tall Oil Pitch, Tall Oil Resin

Molecular Weight : N.A.

Chemical Formula : Sterol esters of C18 and C20 organic acids

Company Identification : Tradeasia International Pte. Limited

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Section 2 - Composition and Information on Ingredients

Composition:

Chemical Name	CAS No	Purity, %
Sterol esters of C18 and C20 organic acids	8016-81-9	89
Rosin Acids	8050-09-7	11

Section 3 – Hazards Identification

3.1 Classification of the substance according to GHS

Classification (29CFR1910.1200 Appendix A) : Not hazardous.

GHS physical hazard: None.

GHS health hazard: None.

GHS environmental hazard: None.

3.2 Label warnings of the substance or mixture

Signal word: None.

Hazard statements: None.

Precautionary statements: P264 Wash hands thoroughly after handling.

Hazard symbol (pictogram): None.

Section 4 – First-Aid Measures

4.1. Description of first aid mesaures

If inhaled

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

In case of skin contact

Wash immediately with soap and water. If irritation develops, seek medical attention. Launder contaminated clothing. If hot product contacts skin, cool under running water and get medical attention.

In case of 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.

If swallowed

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

4.2 Most important symptoms and effects, both acute and delayed

Symptoms after inhalation May experience dizziness.

Symptoms after skin contact Mild irritation of the skin may occur.

Symptoms after eye contact Irritation of the eye tissue.

Symptoms after ingestion Mild tingling of the tongue and mouth.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment after inhalation : If breathing is labored seek immediate medical attention.

Treatment after skin contact : If skin irritation persists seek immediate medical attention.

Treatment after eye contact : If eye irritation persists seek immediate ophthalmologist attention.

Treatment after ingestion: If ingestion of a large quantity seek immediate poison control center.

Section 5 – Fire Fighting Measures

5.1. Suitable Extinguishing media

Carbon dioxide, foam, dry chemical and water spray.

Do not use water jet or an extinguisher, as this will spread the fire.

5.2. Hazardous Combustion Products

Carbon oxides and oxides of sulfur

5.3. Special protective actions for fire-fighters

Wear a self-contained breathing apparatus and protective clothing for firefighting if necessary.

5.4 Unusual Fire and Explosion Hazards

Reactivity with strong oxidizers or strong bases

Exposure to temperature above the flash point (>94°C)

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 materials for containment and clean up

Methods : Use chemical absorbent pigs or manually spread chemical absorbent onto spill area. After the mixture is absorbed, dispose in approved waste facility.

Materials : 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 : About 10°C above the melt point (37°C).

Handling equipment : Rubber hoses or stainless steel (grade 304) lines. Stainless steel (grade 304) for pumps.

7.2. Conditions for safe storage, including any incompatibilities

Storage area : Store in dry area. Store at room temperature. Store in dyke area to contain any spills. Protect from heat.

Packaging materials : Polyethylene, stainless steel (grade 304), rubber lined or epoxy lined tanks or drums. Graphite or rubber gaskets.

Incompatibilities : Strong oxidizers and strong bases..

Section 8 – Exposure Controls/Personal Protection

8.1. Control parameters

Components with workplace control parameters

OSHA PEL : TWA 5 mg/m3 respirable.

ACGIH TLV: TWA 5 mg/m3 respirable.

NIOSH REL: No data available

8.2. Appropriate engineering controls

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)

Personal Protective Equipment: Rubber gloves and safety glasses. Dust mask if mist exists

PPE Pictograms:

Section 9 – Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance : Form: Viscous black liquid

Odour : Mild fatty acid odour

Odour threshold: No data available.

pH : No data available. Mixture is not readily soluble in water.

Melting point: 37°C.

Boiling point: >350°C (650°F)

Flash point: >94°C, Cleveland Closed Cup.

Evaporation rate: Approximately 0 (n-butyl acetate = 1)

Flammability: Not flammable.

Lower flammability limit: No data available.

Upper flammability limit: No data available.

Vapor pressure: <0.001 mm Hg at 20°C.

Vapor density: No data available.

Relative density: 1.2 at 25/25 (water).

Solubility: Complete in ethanol and acetone. In water <0.1% at 25°C.

Partition coefficient for n-ocatanol/water: No data available

Auto-ignition temperature: 257 °C.

Decomposition temperature: No data available.

Viscosity: 200 mPa•s (cP) at 100°C.C

Section 10 – Stability and Reactivity

10.1. Reactivity

May react violently with oxidizers

10.2. Chemical stability

Stable under storage conditions

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

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. Pressure, shock, static discharge or vibration does NOT result in a hazardous condition.

10.5. Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Carbon dioxide and carbon monoxide

Section 11 – Toxicological Information

11.1. Information on likely routes of exposure

Inhalation exposure: From mist or spray.

Eye contact: From mist or spray. From splashing.

Skin contact: From mist or spray. From splashing.

Ingestion exposure: Not a likely route of exposure.

11.2. Numerical measures of toxicity

Oral LD50: Rat >2000 mg/kg, 14 days; OECD 402

Skin LD50: Rat >2000 mg/kg, 14 days; OECD 423

Ingestion LD50: No data available.

Inhalation LD50: No data available.

Skin primary irritation: Guinea Pig; Not a skin sensitizer; OECD 406

Eye primary irritation: Rabbit; No eye irritation; OECD 405

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

Chronic effects are not known.

Section 12 – Ecological Information

12.1. Ecotoxicity Aquatic

Fish LL50: >100 mg/l 96 hour Danio

Daphniaa EL50: >100 mg/l 48 hour daphnia magna.

Algae EL50: >100 mg/l 72 hour scenedesmus subspicatus.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6. Other adverse effects

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

Section 13 – Disposal Considerations

13.1. Description of waste residues

Storage tank residues: Liquid residue from tank cleaning.

Empty package residues: Liquid residue remaining in emptied package container.

Transport trailer residues: Liquid residue from transport trailer cleaning.

Absorbent material: Solid absorbent containing mixture from a spill.

13.2 Methods of disposal

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 – Transport Information

14.1. UN number : 3257

14.2. UN proper shipping name : Elevated temperature liquid. N.O.S.

14.3. Transport of hazard classes : 9

14.4. Packing group : III

14.5. Environmental Hazards: Marine pollutant: Not listed, per 49CFR172.101 Appendix B

14.6. Incompatible materials: -

14.7. Emergency Response Guide Number : -

Section 16 : Additional Information

References: Not available.

Other Special Considerations: Not available.

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