



Material Safety Data Sheet – Crude Tall Oil

1. Product Identification

CRUDE TALL OIL

2. Supplier

PineChemical Group Oy, 10 Tehtaankatu, 00120, Helsinki, Finland

3. Hazard Identification

Appearance and Odor: Tall oil is amber to dark liquid with acrid odor.

Primary Health Hazards: The primary health hazards posed by tall oil are due to skin/eye contact with the liquid and inhalation of the mist or vapor. On heating, this product may generate fumes that irritate the eye and may cause respiratory irritation with throat discomfort, coughing, or difficulty breathing.

4. Emergency and First-Aid Procedures

Ingestion: Not likely to occur under normal use. Can cause damage to mouth, throat, and stomach if ingested. Do not induce vomiting. Rinse mouth out with water. Drink large amounts of water. Get immediate medical help.

Eye Contact: Will cause irritation. Immediately flush with running water for 15 minutes including under eyelids. Get medical help if irritation persists.

Skin Contact: May cause irritation. Repeated brief contact can cause cracking, peeling, blistering. Remove contaminated clothes. Immediately wash affected area with soap and water. Get medical help if irritation or burns are present after washing.

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Skin Absorption: Not likely to occur with normal use.

Inhalation: May cause nose, throat, and lung irritation. Remove to fresh air. Get medical help.

5. Fire and Explosion Data

Flash Point (Method Used): 191° to 193°C (Cleveland Open Cup)

Extinguishing Media: Water fog or mist, foam, dry chemical, or carbon dioxide.

Special Firefighting Procedures: Avoid use of water, other than light spray.

Unusual Fire and Explosion Hazards: Toxic gases may be released during fire.

6. Accidental release measures

Steps to be Taken In Case Material Is Released or Spilled: Immediately notify safety and environmental personnel. For a large spill in a clean area, dike and recover for reuse. Dispose of contaminated material. For a small spill, mix with absorbent material and dispose. Never neutralize spill with acid. Do not divert to an acid-containing sewer.

Other Precautions: Avoid all contact with skin and eyes. Self-contained breathing apparatus (SCBA) and other protective equipment may be needed for spill cleanup.

7. Rules of the reference and storage

To keep in dry and good ventilated place separately from food. Keep far from sources of heat. Keep from direct sunlight. Keep far from sources of the open flame. Do not smoke in. It is necessary to exclude access of children and animals. The warehouse should provide protection of substance against direct influence of sunlight, humidity, pollution and mechanical damage. Additional special requirements to conditions of storage are not present.

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Avoid all contact with skin and eyes. Do not allow potential leaks to be discharged into an acid-containing sewer. Total reduced sulfur compounds including hydrogen sulfide may be present in vapor space above CTO in amounts exceeding OSHA permissible limits.

8. Exposure controls/personal protection

Respiratory protection: Suitable respiratory equipment in case of insufficient ventilation

Hand protection: Protective gloves. PVC

Eye protection: Safety goggles

Skin and body protection: Apron, boots, face shield, or rubber suit may be needed when handling large amounts.

Work: Eyewash stations and safety showers should be readily accessible. Provide local exhaust as needed. Provide general ventilation in processing and storage areas. Self-contained breathing apparatus (SCBA) recommended when fighting fire.

9. Physical/Chemical Properties

Boiling Point (760 mm Hg) : > 260°C

Color and odor: Substance of amber to dark color with acrid odor

Density: 950 - 1000 kg/m³(20°C).

Solubility in water: Insoluble

10. Stability

Chemical stability: Product is chemically stable

Conditions to avoid: Excessive heating and open flame

Materials to avoid: Acids. Bases. Strong oxidizing agents

Hazardous decomposition products: Carbon dioxide, carbon oxides

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11. Toxicity

Will cause irritation due to skin/eye/ingestion contact

12. Environmental protection

It is necessary to avoid contact of substance with drinking sources.

The product possesses light toxic action on fishes and water micro flora of natural reservoirs.

13. Disposal considerations

Methods of disposal: Disposal according to local regulations

14. Transport information

Classification: Not classified

15. Regulatory information

EU classification: Not classified

16. Additive information

Product should be transported in polyethylene, polypropylene, aluminum or stainless steel containers

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Product has manufactured according TU 13-0281078-119-89

Guaranty shelf life – 2 months from date of production

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