

AERCHEM INC.
400 W. 7th Street, Suite 112
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Telephone: 812.334.9996

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SECTION 1: IDENTIFICATION

Effective Date: 4/1/95

Product Name: Tall Oil Fatty Acids; Oleic & Linoleic Acids

Common Name:

Chemical Formula: 50% linoleic acid, 30% oleic acid, 8% pinoleic acid, 3.5% cyclopinoleic acid 3% stearic acid

CAS No.: 60-33-3, 61790-12-3

SECTION 2: HAZARDOUS INGREDIENTS:

Limited acute data on tall oil fatty acids indicate low toxicity potential. This product should be handled as a skin and eye irritant. Possible route of entry into body is by inhalation of vapor from the hot material. Ingesting is possible but unlikely.

SECTION 3: PHYSICAL DATA

Physical Data:

Appearance and Odor:	thick yellow liquid with a fatty acid odor
Boiling point:(760 mmHg)	199-210°C @ 5 mmHg
Vapor Pressure (mmHg):	negligible
Specific Gravity (Water = 1):	0.90
Solubility in water:(by weight)	negligible
Melting Point:	1°C
Volatility:	
Vapor Density:	n/a

SECTION 4: FIRE AND EXPLOSION DATA

Fire and Explosion Information:

Flash point: 390°F (COC)

Flammable limit:

CO) Extinguishing Media: Water or foam may cause frothing. Toxic vapors (ie: may be released during fire; respiratory protection should be provided. Material must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

Unusual Fire and Explosion Hazards: none known

SECTION 5: REACTIVITY DATA

Reactivity Data:

Stable X Unstable

Conditions to Avoid: normally stable, even under fire exposure conditions, and is not reactive with water.

Hazardous Decomposition or byproducts: unknown

Hazardous Polymerization: will not occur

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SECTION 6: HEALTH HAZARD DATA

Threshold Limit Value (TLV):

Permissible Exposure Limit:

Toxicity:

Oral LD50):	oleic acid: 64ml/kg (rat)
LD50	linoleic acid: >3.2 gm/kg (mus & rat), skn-gpg >20ml/kg
	linoleic/oleic mixture: 33gm/kg/52W-C (mus) tumerogetic
	rosin acids: 4.6 gm/kg (mus), 7.6 g/kg (rat)

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

First Aid:

Eyes:	Flush eyes immediately with plenty of water for at least 15 minutes. Call a physician.
Skin:	Wash skin with plenty of soap and water. Wash clothing before re-use. Call physician if signs of irritation appear.
Inhalation:	Remove victim to fresh air. Give artificial respiration if not breathing. If breathing difficult, give oxygen. Call a physician.
Ingestion:	Induce vomiting by giving two glasses of water and sticking finger down throat. Never give anything to an unconscious person. Call a physician.

Spillage: Large: In a clean area, dike and recover for re-use. Small: Mix with absorbent material and dispose. Discharge into waterways is prohibited and must be reported (40CFR-110-discharge of oil)

Dispose: Dispose of according to local, state, and federal regulations for non-hazardous materials.

SECTION 8: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Other Precautions: Wear personal protective gear when handling material including chemical resistant rubber gloves and eye protection.

SECTION 9: SPECIAL PROTECTION INFORMATION

Ventilation:	mechanical
Eye Protection:	safety goggles or better, eye bath nearby
Protective Gloves:	impervious
Respiratory Protection:	organic vapor type respirator
Other Protective Gear:	protective clothing, safety shower nearby

SECTION 10: TRANSPORT INFORMATION

DOT classification: non-hazardous

DOT pictograms: