

MATERIAL SAFETY DATA SHEET

IDENTITY: LIGHTNING GREASE

SECTION 1: Product and Company Identification

Product Name: Tufoil Lightning Grease

Manufacturer: Fluoramics Inc.

Address: 18 Industrial Avenue, Mahwah, NJ 07430

Emergency Phone: 201-825-8110

Information Phone: 1-800-922-0075

Fax Number: 201-825-7035

Product Use: Lubricant

SECTION 2: Composition/Information on Ingredients

COMPONENTS	%	CAS No.
Solvent: Dewaxed Parafinic Petroleum Distillate	30 - 50	6474 2650
Lithium Hydroxy Stearate	5 - 15	7620- 77-1
Tufoil (See separate MSDS)	30 - 50	
Polytetrafluoroethylene	5 - 15	9002 84 0

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

**Boiling point: Overpoint
300° F**

Vapor Pressure: Nil

Vapor Density: N/A

Solubility in Water: Nil

Specific Gravity H₂O=1): .9047

Melting Point: Nil

Evaporation Rate (butyl acetate=1): N/A

Water Reactive: N/A

**Appearance and Odor: reddish Tan,
odorless**

SECTION 3 - FIRE & EXPLOSION HAZARD DATA

Flash Point & Method Used: (ASTM D 92)

Flammability Limits in Air % by Volume: N/A

Extinguisher Media: Carbon Dioxide - dry chemical

Special Fire Fighting Procedures: Use foam and water. Spray carefully to prevent excessive frothing. cool exposed containers with water.

Unusual fire and Explosion Hazards: Do not store or mix with strong oxidants

	NFPA CODES	HMIS CODES
HEALTH	1	1
FLAMMABILITY	1	1
REACTIVITY	0	0
PERSONAL PROTECTION		B

SECTION 4 - REACTIVITY HAZARD DATA

Stability: Stable

Conditions to Avoid: Excessive heat, direct flame

Incompatibility (Materials to Avoid): Strong oxidants ie; liquid chlorine or concentrated oxygen

Hazardous Decomposition Products: CO₂ - trace quantities of fluorides decompose product above 500° F

Hazardous Polymerization: Will not occur

SECTION 5 - HEALTH HAZARD DATA

Primary Routes of Entry: Inhalation - Skin - Ingestion

Health Hazards:

Signs and Symptoms of Exposure: Prolonged and repeated over-exposure may irritate the skin of some individuals.

Medical Conditions Generally Aggravated by Exposure: See below

Eye Contact: Wash with copious amounts of water

Skin Contact: Remove by wiping and wash with soap and water.

Inhalation: Expose to fresh air

Ingestion: Treat symptomatically. Call a physician

Emergency First Aid Procedures:

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type): None required at ambient temperatures

Protective Gloves: Butyl rubber

Eye Protection: Safety goggles

Ventilation to be Used: Local preferred; Mechanical - usually none

Other Protective Clothing and Equipment: Protective garment when applicable

Hygienic Work Practices: Use normal hygienic practices, good housekeeping.

**SECTION 7
PRECAUTIONS FOR SAFE HANDLING AND USE
LEAK PROCEDURES**

Steps to be Taken if Material is Spilled or Released: Absorb with porous inert material. Transfer to closed container. Floor may be slippery. Use care to avoid falls.
Waste Disposal Methods: Sealed drum containment as per organic chemicals. Follow federal state and local regulations regarding health and pollution.
Precautions to be Taken in Handling and Storage: Keep containers closed when not in use. avoid excessive heat or direct flame.
Other Precautions and/or Special Hazards: Avoid frequent or prolonged skin contact or inhalation of fumes, mists and vapors.

**SECTION 8
EXPOSURE CONTROL / PERSONAL PROTECTION**

Use normal personal hygiene and good housekeeping.
Respiratory protection: If exposed to high temperature processing fumes, wear self-contained breathing apparatus.
Use protective gloves

**SECTION 9
PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Brownish, semi-solid
Boiling Point (degrees F): N.D.
Specific Gravity: N.D. (H₂O=1)
pH of undiluted product: N/A
Vapor Pressure: Negligible
Viscosity: N/A
Percent VOC: 100
Vapor Density: N/A
Solubility in Water: Negligible

**SECTION 10
STABILITY AND REACTIVITY**

Stability: stable
Conditions to avoid: Temperatures above 250F without adequate ventilation. Will not polymerize
Incompatibility: N/A
Hazardous decomposition products: N/A

**SECTION 11
TOXICOLOGICAL INFORMATION**

Median Lethal Dose (LD50 LC50) (Species)
Oral: 7.5 g/kg (rat): practically non-toxic
Inhalation: N.D.
Dermal: >10 g/kg (rabbit); practically non-toxic
Irritation Index, Estimation of Irritation (Species)
Skin: 2.1/8.0 (rabbit): slightly irritating
Eyes: 17/110 (rabbit): slightly irritating
Sensitization: N.D.
Other: None

**SECTION 12
ECOLOGICAL INFORMATION**

No ecological information is available.

**SECTION 13
DISPOSAL CONSIDERATIONS**

Waste disposal methods: It is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.

Remarks: None

**SECTION 14
TRANSPORT INFORMATION**

Transportation:

DOT: Proper shipping name: N.D.

IMDG: Proper shipping name: N.D.

IATA: Proper shipping name: N.D.

TDG: Proper shipping name: N.D.

**SECTION 15
REGULATORY INFORMATION**

Non-hazardous product. Not applicable.

**SECTION 16
OTHER INFORMATION**

Date prepared: February 8, 2009