

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**Specific Gravity H₂O=1):** .9047**Vapor Pressure:** Nil**Melting Point:** Nil**Vapor Density:** N/A**Evaporation Rate (butyl acetate=1):** N/A**Solubility in Water:** Nil**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