

**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**

<b>Boiling point:</b> Overpoint 300° F	<b>Specific Gravity H<sub>2</sub>O=1):</b> .9047
<b>Vapor Pressure:</b> Nil	<b>Melting Point:</b> Nil
<b>Vapor Density:</b> N/A	<b>Evaporation Rate (butyl acetate=1):</b> N/A
<b>Solubility in Water:</b> Nil	<b>Water Reactive:</b> N/A
	<b>Appearance and Odor:</b> 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  
Incompatability (Materials to Avoid): Strong oxidants ie; liquid chlorine or concentrated oxygen  
Hazardous Decomposition Products: CO<sub>2</sub> - 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, processess, 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