

## MATERIAL SAFETY DATA SHEET

**IDENTITY: HIGH TEMPERATURE SPINDLE GREASE (Code 483)**

### **SECTION 1: Product & Company Identification**

**Product Name: High Temperature Spindle Grease**

**Manufacturer: Fluoramics Inc.**

**Address: 18 Industrial Avenue, Mahwah, N.J. 07430**

**Emergency Phone: 201-825-8110**

**Information Phone: 1-800-922-0075**

**Fax Number: 201-825-7035**

**Product use: Grease for high speed rotating machinery**

### **SECTION 2: Composition / Information on Ingredients**

**This material is not classified as hazardous under OSHA regulations.**

<b>COMPONENTS</b>	<b>CAS #</b>	<b>Weight %</b>	<b>ACGIH - TLV- TWA</b>
<b>Lithium Hydroxystearate</b>	<b>61790 485</b>	<b>5 - 25</b>	<b>None</b>
<b>Solvent: Dewaxed Paraffinic Petroleum Distillate</b>	<b>6474 2650</b>	<b>30 - 40</b>	<b>N/A</b>
<b>Tufoil (See separate MSDS)</b>		<b>20-30</b>	<b>N/A</b>
<b>Polytetrafluoroethylene</b>	<b>9002 84 0</b>	<b>1 - 20</b>	<b>N/A</b>
<b>Silicon Dioxide Aerogel</b>	<b>686 1144 9</b>	<b>.5 - 2</b>	<b>N/A</b>

### **SECTION 3: Physical / Chemical Characteristics**

**Boiling point: 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**

**Appearance and Odor: Greenish blue -  
odorless**

### **SECTION 4: 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 5: 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: CO<sup>2</sup> - Trace quantities of fluorides. Decompose product above 500° F  
 Hazardous Polymerization: Will not occur

### SECTION 6: Health Hazard Data

Primary Routes of Entry: Inhalation, skin, ingestion  
 Health Hazards:  
 Signs and Symptoms of Exposure: Prolonged & repeated over-exposure may irritate the skin or 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 physician.  
 Emergency First Aid Procedures: Seek medical assistance for further treatment, observation and support if necessary.

### SECTION 7: Control & Protective Measures

Respiratory Protection (Specify Type): None required at ambient temperature.

**Protective Gloves:** Butyl rubber  
**Eye Protection:** Safety goggles  
**Ventilation to be Used:** Local exhaust (preferred), Mechanical (general); usually none.  
**Other Protective Clothing and Equipment:** Protective garment when applicable.  
**Hygienic Work Practices:** As indicated.

## **SECTION 8: Precautions for Safe Handling & 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 9: Physical & Chemical Properties - Dangerous Goods Shipping Regulations**

**U.S. (49 CFR): Proper Shipping Name: Non-Hazardous Material**

**IATA: Proper Shipping Name: Non-Dangerous Goods**

**IMDG: Proper Shipping Name: Non-Dangerous Goods**

### **Physical Properties:**

**Appearance:** Greenish blue  
**Odor:** Mild petroleum odor  
**Physical state:** Liquid  
**pH as supplied**  
**Boiling Point:** N/A  
**Melting Point:** N/A  
**Freezing Point:** N/A  
**Vapor Pressure (mmHg):** Nil  
**Vapor Density (air=1):** N/A  
**Specific Gravity (H<sub>2</sub>O=1):** 9050  
**Evaporation rate:** N/A  
**Solubility in water:** Insoluble in cold water

## **SECTION 10: Stability & Reactivity**

**Stability: Stable**

**Conditions to avoid: Temperatures above 250F without adequate ventilation. Will not polymerize**

**Incompatibility (Material to Avoid): Strong acids, bases and oxidizing agents**

**Hazardous decomposition or by-products: Carbon dioxide, carbon monoxide, unburned hydrocarbons and traces of sulfur, phosphorus or nitrogen, PTFE Decomposition product.**

## **SECTION 11: Toxicological Information**

**No toxicology data available**

## **SECTION 12: Ecological Information**

**Do not allow to enter soil, waterways or wastewater**

## **SECTION 13: Disposal Considerations**

**Waste Disposal Method: Follow all local, state and federal regulations**

**RCRA Hazard Class: Determine if this material is a RCRA Hazardous Waste at the time of disposal**

## **SECTION 14: Transportation Information**

**Transportation Information: N/A**

## **SECTION 15: Regulatory Information**

**Non-hazardous product**

**U.S. Federal Regulations: TSCA (Toxic Substance Control Act):**

**The components of this product are listed**

**SARA Title III (Superfund Amendments and Reauthorization Act):**

**311/312 Hazard Categories: No Hazard categories identified**

## **SECTION 16: Other Information**

**Date prepared: May 2, 2006**

