

**MATERIAL SAFETY DATA SHEET****IDENTITY: INDUSTRIAL TUFOIL****SECTION 1 - PRODUCT & COMPANY IDENTIFICATION****Product Name: Industrial Tufoil****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: Lubricant****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>Petroleum Hydrocarbon Motor Oil</b>	<b>64741-88-4</b>	<b>35-40</b>	<b>5mg/m<sup>3</sup></b>
<b>Methacrylate/Vinyl Pyrrolidine Copolymer</b>	<b>68171-46-0</b>	<b>25-30</b>	<b>N/A</b>
<b>Polyalpha olefin</b>	<b>68649-12-7</b>	<b>10-20</b>	<b>N/A</b>
<b>Didecyl adipate Dimer Ester</b>	<b>16958-92-2</b>	<b>5-10</b>	<b>N/A</b>
<b>Molybdenum Di (2-ethyl) Phosphordithioate</b>	<b>72030-25-2</b>	<b>5-10</b>	<b>N/A</b>
<b>Polytetrafluoroethylene</b>	<b>9002-84-0</b>	<b>1-5</b>	<b>N/A</b>

**SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS****Boiling point: 300° F Overpoint****Vapor Pressure: Nil****Vapor Density: N/A****Solubility in Water: Nil****Physical State at Room Temperature - Liquid****Specific Gravity: 9047****Melting Point: N/A****Evaporation Rate (Butyl Acetate 1): N/A****Water Reactive: N/A****Appearance and Odor: Reddish tan - odorless****SECTION 4 - FIRE & EXPLOSION HAZARD DATA****Flash Point & Method Used: 435° F - 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	HMS CODES
<b>HEALTH</b>	<b>1</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>	<b>1</b>
<b>REACTIVITY</b>	<b>0</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>		<b>B</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 absorption, ingestion

**Carcinogen listed in:** N/A

**Health Hazards:** Acute - treat symptomatically

**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 AND PROTECTIVE MEASURES

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

**Protective Gloves:** Butyle 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 AND USE LEAK PROCEDURES

**Steps to be Taken if Material is Spilled or Released:** Absorb with porous inert material. Transfer to closed container.

**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.

**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:** Translucent tan

**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: March 20, 2006**