



# Material Safety Data Sheet

Manufacturer's Name Dylon Industries, Inc.	Emergency Telephone No. Call INFOTRAC at 1-800-535-5053
Address 7700 Clinton Road Cleveland, OH 44144	Other Information Calls 1-216-651-1300
MSDS Approved By Larry R. Kracker	Date Prepared July 27, 2006

## SECTION 1 - IDENTITY

COMMON NAME (used on label)  Grade FO-2931	HAZARD RATING  
PRODUCT CLASS Oil based graphite forging lubricant	WHMIS Class D-2B

## SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	WEIGHT PERCENT	Threshold Limit Value (units)
Petroleum hydrocarbon	64741-96-4	55-65	5 mg/m <sup>3</sup> (as mist); ACGIH
Petroleum oil base stock	64742-62-7 & 64742-57-0	<10	5/mg/m <sup>3</sup> (as mist); ACGIH
Alkali metal soap	822-16-2	<5	15 mppcf/8 Hr.
Tin carboxylate	301-10-0	5-15	2 mg/m <sup>3</sup> (as inorganic tin)
Graphite	7782-42-5	<10	Nuisance dust; 15 mppcf/8 Hr.

## SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point Unknown	Specific Gravity (H <sub>2</sub> O=1) 1.03	Vapor Pressure(mm Hg) Unknown			
Percent Volatile by Volume (%) NA	Vapor Density (Air=1) >1	Evaporation Rate (Ether=1) <<1			
Solubility In Water Insoluble	pH NA				
Appearance and Odor Gray-black oil with characteristic petroleum odor.					
Flash Point 300°F	Flammable Limits in Air(% by Volume) ND- mixture	Lower ND	Upper ND	Extinguisher Media CO <sub>2</sub> , dry chemical, foam, water spray	Auto-Ignition Temperature ND-mixture
Special Fire Fighting Procedures For fires do not enter any enclosed or confined fire space without self-contained breathing apparatus to protect against the hazardous effects of normal combustion or oxygen deficiency. Treat as a Class 3 combustible liquid fire.					
Unusual Fire and Explosion Hazards None					

## SECTION 4 - PHYSICAL HAZARDS

Grade FO-2931

Stability	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>	Conditions to Avoid NA
Incompatibility (Materials to Avoid) Avoid contact with strong acids, strong bases and strong oxidizers.		
Hazardous Decomposition Products Normal thermal decomposition by-products of a hydrocarbon, i.e. CO, CO <sub>2</sub> , H <sub>2</sub> O.		
Hazardous Polymerization	May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>	Conditions to Avoid NA

## SECTION 5 - HEALTH HAZARDS

Threshold Limit Value See section 2.						
Signs and Symptoms of Exposure		1. Acute Overexposure Contact may cause skin or eye irritation. If swallowed may cause gastrointestinal irritation.				
2. Chronic Overexposure May cause dermatitis in some individuals.						
Medical Conditions Generally Aggravated by Exposure Dermatitis or skin conditions.						
Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	I.A.R.C. Monographs	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	OSHA	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
OSHA Permissible Exposure Limit ND-mixture	ACGIH Threshold Limit Value ND-mixture				Other Exposure Limit Used ND-mixture	
Emergency and First Aid Procedure						
1. Inhalation Remove to fresh air. Obtain medical attention if necessary.						
2. Eyes Flush eyes immediately with plenty of water for 15 minutes; consult a physician.						
3. Skin Wash with warm, soapy water. Wash contaminated clothing before re-use.						
4. Ingestion Do not induce vomiting. Obtain medical attention.						

## SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type) NIOSH approved organic vapor respirator, if necessary.				
Ventilation Required	Local Exhaust Recommended	Mechanical (General) Recommended	Special ---	Other ---
Protective Gloves Hydrocarbon resistant			Eye Protection Safety goggles or face shield.	
Other Protective Clothing or Equipment Eye wash. Normal work apparel.				

## SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage Store away from open flames. Keep containers closed until used.
Other Precautions None
Steps to be Taken in Case Material is Released or Spilled Treat as lubricating oil spill. Absorb with clay or diatomaceous earth.
Waste Disposal Methods Dispose in accordance with local, state and federal EPA regulations.

### IMPORTANT

Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.