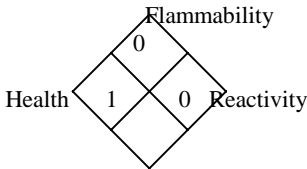




# Material Safety Data Sheet

Manufacturer's Name Dylon Industries, Inc.	Emergency Telephone No. Call INFOTRAC at 1-800-535-5053
Address 7700 Clinton Road, Cleveland, Ohio 44144	Other Information Calls 216-651-1300
MSDS Approved By Larry R. Kracker	Date Prepared February 18, 2004

## SECTION 1 - IDENTITY

COMMON NAME (used on label) Grade DYFORGE 312™	HAZARD RATING 
PRODUCT CLASS Water based graphite forging lubricant	WHMIS Class D-2B

## SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	WEIGHT PERCENT	Threshold Limit Value (units)
Graphite	7782-42-5	15-20	Nuisance dust; 15 mppcf/8 Hr.
Biocide	4719-04-4	<0.5	Not established
Proprietary alkali silicate	1344-09-8	<5	Eye irritant

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

Boiling Point 100°C	Specific Gravity (H <sub>2</sub> O=1) 1.08	Vapor Pressure(mm Hg) Unknown	
Percent Volatile by Volume (%) 76%	Vapor Density (Air=1) >1	Evaporation Rate (Ether=1) <<1	
Solubility In Water Completely miscible	pH 10-12		
Appearance and Odor Gray-black liquid with mild odor			
Flash Point None	Flammable Limits in Air(% by Volume) NA	Lower NA	Upper NA
		Extinguisher Media Material not flammable	Auto-Ignition Temperature NA
Special Fire Fighting Procedures None			
Unusual Fire and Explosion Hazards None			

## SECTION 4 - PHYSICAL HAZARDS

Grade DYFORGE 312™

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 None known		
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. Nuisance dust: 10mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable dust)						
Signs and Symptoms of Exposure		1. Acute Overexposure Contact may cause eye or skin irritation.				
2. Chronic Overexposure Unknown						
Medical Conditions Generally Aggravated by Exposure Unknown						
Chemical Listed as Carcinogen or Potential Carcinogen No	National Toxicology Program No <input checked="" type="checkbox"/>	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 See section 2.		ACGIH Threshold Limit Value See section 2.			Other Exposure Limit Used See section 2.	
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) See sections 2 & 5. Approved dust/mist respirator in area where respirable particles exceed TLV for nuisance dust.				
Ventilation Normal plant ventilation	Local Exhaust Recommended	Mechanical (General) Recommended	Special ---	Other ---
Protective Gloves Rubber or neoprene			Eye Protection Safety goggles	
Other Protective Clothing or Equipment Normal work apparel.				

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

Precautions to be Taken in Handling and Storage Respiratory protection should be used when entering areas containing respirable dust/mist in concentrations above the threshold limit value (TLV) for nuisance dusts.
Other Precautions Keep from freezing. Keep containers closed until used. Avoid contamination with dirt and other foreign matter.
Steps to be Taken in Case Material is Released or Spilled Treat as a lubricating oil spill. Absorb with clay or diatomaceous earth.
Waste Disposal Methods Dispose of in accordance with local, state and federal regulations.

### IMPORTANT

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