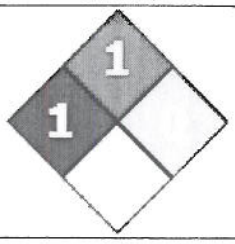
Material Safety Data Sheet # 336

Hercules Chemical Company Inc.
111 South Street
Passaic NJ 07055-7398
Information Telephone: 1-800 221-9330
Internet: www.herchem.com

NFPA	HMIS	PPE	Transport Symbol
	Health Hazard 1 Fire Hazard 1 Reactivity 0		

Preparation Date April 27, 2007 **Revision Date 6/20/11** **Revision Number 2**

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: HERCULES DARK CUTTING OIL.
Intended Use: PIPE THREADING LUBRICANT

Manufacturer: Hercules Chemical Company, Inc.
111 South Street
Passaic, New Jersey 07055-7398

Information Telephone: (800) 221-9330

Internet: http://www.herchem.com

Emergency Phone: **CHEMTREC: (800) 424-9300**

MSDS Date of Original Preparation: **03/23/2007**

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

If ingested, do not induce vomiting because of the potential of aspiration into lungs.
Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks which vary from person to person. As a precaution, exposure to liquids, vapors, mist or fumes should be minimized.

Potential Health Effects.
Inhalation: Vapor inhalation of the product under ambient conditions is not a problem. If overcome by vapor from hot product, move the victim to fresh air. If not breathing, administer artificial respiration if trained. Get medical attention.
Ingestion: Low oral and dermal toxicity.
Eye: May cause mild to transient irritation.
Skin: May cause slight skin irritation. Prolonged or repeated skin contact can cause skin irritation and dermatitis.

HMIS Hazard Rating: 1 1 0 B

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Wt/Wt %	OSHA PEL	ACGIH TLV	Other Limits
Petroleum Based Lubricating Oils	64742-52-5, 64742-46-7	85-90	5 mg/m³	5 mg/m³ (as oil mist)	N/A
Sulfurized Fatty Oil Esters	68153-70-8	5-10	N/A	N/A	N/A
1-Decene, Sulfurized	72162-15-3	1-5	N/E	N/E	N/E
Asphalt	8052-42-4	5-10	5 mg/m³ (fumes)	5 mg/m³ (fumes)	N/A

4. EMERGENCY AND FIRST AID PROCEDURES.

Eye: Immediately flush victim's eyes with large quantities of water, for 15 minutes, holding the eyelids apart. Get medical attention if irritation persists.
Skin: Wash with water. Remove contaminated clothing
Ingestion: DO NOT INDUCE VOMITING. Immediately seek medical help.
Inhalation: Not a possible route of exposure under ambient temperature. If overcome by vapor from heated product, remove to fresh air. If not breathing, give artificial respiration if trained. Call a physician.

Note: Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flashpoint: 320°F (160°C) (Test Method COC)
Flammable Limits: Not established.
Autoignition Temperature: Not established
Extinguishing Media: Water fog, Foam, Dry Chemical, Carbon Dioxide
Unusual Fire or Explosion Hazards: Empty containers not properly cleaned retain oil residue and can be dangerous.
Special Fire-Fighting Instructions: Firefighters and others who might be exposed to products of combustion, should wear (NIOSH approved) positive pressure self-contained breathing apparatus and full protective clothing.
Hazardous Combustion Products: Carbon monoxide, oxides of sulfur and other decomposition products may form upon incomplete combustion.

6. ACCIDENTAL RELEASE MEASURES

Spills/Leak Control: Keep spills out of sewers and water ways by dikeing. If the product has entered or may enter sewer, water ways or extensive land areas, advise authorities.
For small spills, absorb with inert material, sweep or scoop into containers for disposal at an approved waste site or facility.
Large spill, contain with by dikeing, pump the material into drums for disposal in accordance with Federal, State and local regulations. Absorb the left over with inert material (vermiculite) and collect into containers for disposal.

7. HANDLING AND STORAGE

Handling: No special precautions are required under normal conditions. Avoid excessive skin contact.
Storage: Store in original containers. Keep containers closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: If oil mist exists, use NIOSH approved mask for oil mists.
Engineering Controls: Use with general or local exhaust ventilation.
Skin Protection: Wear protective gloves where prolonged contact is anticipated.
Eye Protection: Safety glasses or goggles if oil is being sprayed or splashed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Dark with petroleum odor.	**Boiling Point:** >425°F
Physical State: liquid	**Vapor Pressure:** < 0.1 @ 38°C/100°F
Vapor Density: > 8.0	**Evaporation Rate:** (Butyl Acetate=1) < 1.0one
Solubility In Water: Negligible	**Volatile Components:** 59 g/l
Specific Gravity: 0.906 @ 25°C	**Viscosity** @ 40°C: 35-42 cSt.
Melting Point: N/A	**pH:** N/A

10. STABILITY AND REACTIVITY

Stability: Stable.
Conditions to avoid: Open flames, sparks, and ignition sources.
Incompatibility: Strong oxidizers such as liquid chlorine, sodium or calcium hypochlorite, and pure oxygen.
Hazardous Decomposition Products: Carbon monoxide, oxides of sulfur and other decomposition products may form from incomplete combustion.
Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:
Inhalation: Not a known route of entry under typical conditions. If overcome by vapors from hot product, remove to fresh air. If not breathing, give artificial respiration if trained. Get medical attention.
Eye: May cause moderate to severe irritation.
Skin: May cause moderate skin irritation on prolonged contact. Prolonged skin contact with oils tends to remove skin oils possibly leading to irritation and dermatitis. Based on human experience and available toxicological data, this product is judged to be neither a corrosive nor an irritant by OSHA criteria.
Ingestion: Do not induce vomiting due to potential for aspirations into the lungs.
Sensitization: None.
Chronic: Not established
Carcinogenicity: Not a carcinogen
Mutagenicity: Not mutagenic.
Medical Conditions Aggravated by Exposure: Unknown.
Reproductive Toxicity: None
Acute Toxicity Values: Low levels of oral and dermal toxicity.

12. ECOLOGICAL INFORMATION

Environmental Toxicity: Not established.
Environmental Transport: Unknown.
Environmental Degradation: Not readily biodegradable.
Soil Absorption/Mobility: Unknown

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with Federal, State, and Local regulations.

14. TRANSPORT INFORMATION

Not regulated

15. REGULATORY INFORMATION

EPA Regulation:
SARA TITLE III:
This material is not known to contain any chemicals on SARA section 313 list at a concentration greater than 1.0 percent or carcinogenic chemical on that list at a concentration greater than 0.1 percent.

TSCA Inventory: All the components in this product are listed on the TSCA inventory.

16. OTHER INFORMATION

DISCLAIMER:
The information herein has been compiled from sources believed to be reliable, up-to-date, and is accurate to the best of our knowledge. However, Hercules cannot give any guarantees regarding information from other sources, and expressly does not make warranties, nor assumes any liability for its use.