

# OSHA-Required Health And Safety Information!

This Material Safety Data Sheet (MSDS) was requested moments ago from Hercules Automated Fax Information System. Please forward it immediately to the person in charge of MSDS's, or retain it at the machine until claimed.

## Section 1

### MATERIAL SAFETY DATA SHEET # 45 Hercules Jet Stream Penetrating Oil

Date Prepared: 9/14/1989 Last Reviewed: 12/17/2001

Meets OSHA 29 CFR 1910.1200



**MATERIAL SAFETY INFORMATION SERVICE**

Hercules Chemical Company Inc.  
111 South Street  
Passaic NJ 07055  
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Fax (800) 333-3456

## Section 2 - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s), CAS Numbers)	OSHA PEL	ACGIH TLV	Other Limits	Upper Bound Limit if SARA Reportable
Carbon Dioxide (124-38-9)	5000PPM	5000PPM	N/A	--
Petroleum-hydrotreated light Distillate (64742-47-8)	100PPM	N/A	N/A	--
Lubricating Oil (64742-53-6 or 64742-52-5)	5 mg/M <sup>3</sup>	N/A	N/A	--

HMIS Hazard Rating: 1 3 0 G

## Section 3 - Physical/Chemical Characteristics

Boiling Point (°F): Wide Range	Specific Gravity < 1	Vapor Density 4.7	Vapor Pressure N/A
Melting Point (° F) N/A	Evaporation Rate: (Butyl Acetate = 1) 1	Solubility in Water: Negligible	
Appearance And Color: Dark Gray Liquid		Odor: Aromatic odor	

## Section 4 - Fire And Explosion Hazard Data

Flash Point	Flammable Limit	LEL:	UEL:
Aerosol; flammable: at distances > 18"	N/A	N/A	N/A
Extinguishing Media: CO2, Foam, Dry chemical.			

### Special Firefighting Procedures:

Wear self-contained breathing apparatus.

### Unusual Fire And Explosion Hazards:

Container may burst if exposed to temperatures above 120° F, heated surfaces, open flames, or sparks.

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**Section 5 - Reactivity Data**

**Stability:** Stable                      **Conditions To Avoid:** Temperatures over 120° F.

**Incompatibility**                      Strong oxidizers and excessive heat.

**(Materials To Avoid):**

**Hazardous Decomposition:** Burning can produce carbon monoxide, carbon dioxide.

**Hazardous Polymerization:** Will Not Occur

**Section 6 - Health Hazard Data**

**Routes of Entr**      **Inhalation** YES/Primary                      **Skin** YES/Secondary      **Ingestion** YES/Secondary

**Health Hazard**

May cause nasal or respiratory irritation, headaches and nausea.

**Carcinogenicit**      **NTP** NO                      **IARC** NO                      **OSHA Regulated** NO

**Signs And Symptoms of Exposure:**

Coughing, headaches and nausea.

**Medical Conditions Generally Aggravated By Exposure:**

Central nervous disorders and respiratory disorders.

**Emergency And First Aid Procedures:**

If inhaled, remove to fresh air and call a physician. If in eyes, flush with water. Seek medical attention. If ingested, do not induce vomiting. Get prompt medical attention.

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**Section 7 - Precautions For Safe Handling And Use:**

**Steps To Be Taken In Case Material Is Released Or Spilled:**

Avoid inhalation of concentrated vapors. Soak up spilled material in an appropriate absorbent. Large releases will occur only upon explosion of numerous cans. Since products are aerosols, large spills are not expected.

**Waste Disposal Method:**

In accordance with local, county, state and federal regulation. Do not puncture or incinerate.

**Precautions To Be Taken In Handling And Storing:**

Store in cool, dry place away from heat and open flames. Do not store at temperatures above 120° F. Do not puncture or incinerate container.

**Other Precautions:**

Avoid contact with skin and eyes. Avoid breathing in vapors. Keep out of reach of children.

**Section 8 - Control Measures:**

**Respiratory Protection:**

In confined spaces or other circumstances where adequate ventilation cannot be assured use NIOSH-approved respirator, positive pressure airline mask, or self contained breathing apparatus.

**Ventilation:** Local Exhaust Yes  
 Mechanical N/A

**Special** Above TLV wear respirator.  
**Other** N/A

**Gloves** Rubber or Neoprene

**Eye Protection:** Chemical resistant goggles.

**Other Protective Clothing:** N/A

**Work/Hygienic Practice** Standard hygienic practices.



For Hercules Material Safety Data Sheets by fax anytime, day or night, just call 1-800-942-INFO (1-800-942-4636) from any Touch-Tone phone. Have your fax number ready. Checking the product label for the correct MSDS # will save time.