

MATERIAL SAFETY DATA SHEET

-43-

SECTION 1

Product Name:

HERCULES CLEAR CUTTING OIL

DATE PREPARED 06/25/90 DATE ISSUED 10/24/01

ISSUED TO:

REEVES-WIEDEMAN
1053 S E BROADWAY

LEES SUMMIT MO 64081



HERCULES®

**MATERIAL
SAFETY
INFORMATION
SERVICE**
Hercules Chemical Company, Inc.111 South Street • Passaic, NJ 07055-7398
Information Phone: 800-221-9330

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%(OPTIONAL)
Petroleum-based lubricating oils (CAS NO 64742-53-6)	5mg/m3	5mg/m3	(as oil mist)	
(CAS NO 64742-52-5)	5mg/m3	5mg/m3	(as oil mist)	

HMIS Hazard Rating: 1 1 0 A

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT 465-900 Deg F	SPECIFIC GRAVITY (H2O = 1) at 25 Deg C .906	VAPOR DENSITY (AIR = 1) GT 8
VAPOR PRESSURE (mm Hg.) at 38 Deg C(100 Deg F) LT 0.1	MELTING POINT N/A	EVAPORATION RATE (Butyl Acetate = 1) LT 1.0

SOLUBILITY IN WATER Insoluble

APPEARANCE AND COLOR Light amber liquid, petroleum odor.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT 320 Deg F (COC)	FLAMMABLE LIMITS N/A	LEL 1%	UEL 6%
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EXTINGUISHING MEDIA Dry chemical, CO2, Foam. Use water to keep fire-exposed containers cool.

SPECIAL FIRE FIGHTING PROCEDURES Recommend supplied air breathing gear when fire fighting in confined spaces. Minimize breathing gases, vapor, fumes, or decomposition products. Water froth may be used to flush spills away from exposure.

UNUSUAL FIRE AND EXPLOSION HAZARDS
None

SECTION 5 - REACTIVITY DATA

STABILITY	CONDITIONS TO AVOID
STABLE	Open flames, sparks, ignition sources

INCOMPATIBILITY (MATERIALS TO AVOID) Strong oxidizers such as liquid chlorine, sodium or calcium hypochlorite, and pure oxygen.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS Carbon Monoxide, oxides of sulfur and other decomposition products may form upon incomplete combustion.

HAZARDOUS POLYMERIZATION will not occur.

SECTION 6 - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY	INHALATION?	SKIN?	INGESTION?
	Yes/Primary	Yes/Primary	Yes/Secondary

HEALTH HAZARDS (ACUTE AND CHRONIC)

Product has a low order of oral and dermal toxicity. Possible aspiration hazard. Induced vomiting may cause aspiration of product into lungs.

CARCINOGENICITY:	NTP?	IARC MONOGRAPHS?	OSHA REGULATED?
	NO	NO	NO

SIGNS AND SYMPTOMS OF EXPOSURE

SKIN CONTACT: Moderate irritant and skin defatter.

EYE CONTACT: mild (transient) irritant.

Prolonged or repeated skin contact with product tends to remove skin oils possibly leading (CONTINUED IN SECTION "A" AT BOTTOM OF PAGE)

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None known.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor from hot product, immediately remove to fresh air if not breathing. Get medical attention.

(CONTINUED IN SECTION "B" AT BOTTOM OF PAGE)

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Handle as an oil spill. Use oil absorbing material. Sweep and scoop up and remove, prevent spread of spill. Keep product from sewers and water courses by diking, etc. Advise authorities if product has entered or may enter sewer, water courses, or extensive land areas. Assure conformity with local regs.

WASTE DISPOSAL METHOD

Assure conformity with applicable disposal regulations. Dispose of absorbed material at an approved waste disposal site or facility.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

No special precautions needed normally. However, avoid breathing oil mist and excessive skin contact.

OTHER PRECAUTIONS

None

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE)

If possibility of oil mists exists, use NIOSH approved mask for oil mists.

VENTILATION	LOCAL EXHAUST	As needed to maintain compliance with TLV	SPECIAL	None
	MECHANICAL (GENERAL)	N/A	OTHER	None

PROTECTIVE GLOVES Rubber gloves - Oil resistant

EYE PROTECTION Goggles if oil is being sprayed or splashed.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT Gloves if prolonged skin contact cannot be avoided

WORK/HYGIENIC PRACTICES

Wash thoroughly after handling. Minimize breathing of vapor mist, fumes. Remove contaminated clothing, launder or dry clean

-- SECTION "A"-- to irritation and dermatitis, however based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria.

VARIABILITY AMONG INDIVIDUALS: 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.

-- SECTION "B"-- INGESTION: Do not induce vomiting. Get medical attention.

SKIN CONTACT: Wash skin thoroughly with soap and water and remove contaminated clothing.

EYE CONTACT: Flush with plenty of water for 15 minutes or until irritation subsides. If irritation persists, get medical attention.