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**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION** (N/A)

Product Name:           **HE-150**  
 Synonyms:               HE-150; Lubricating Oil  
 CAS Number:            Mixture  
 Chemical Family:       Hydrocarbon  
 Manufacturer Name:    Kurt J. Lesker Company  
 Address:                 1925 Worthington Avenue  
                               Clairton, PA 15025

**NFPA**

1  
0        0

Emergency Phone Numbers:  
 CHEMTREC (USA) 800-424-9300  
 Outside the USA 703-527-3887 collect calls accepted  
 Poison Center (USA) 800-222-1222


**HMIS**

Business Phone:         412-387-9200  
 Business Fax:           412-384-2745  
 Revision Date:         8/10/2007 ewr  
 Chemical Name: HE-150; Lubricating Oil

HEALTH	0
FIRE	1
REACTIVITY	0
PPE	N


PPE : X: PPE is dependant on use and conditions and should be site specifically determined

Product Codes:         HE150BL, HE150CA, HE150CP, HE150DD, HE150G55

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**SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS** : (N/A)

Ingredient Name	CAS#	Ingredient Percent
Machine & Bearing Oil Highly refined petroleum oil		CONCENTRATION: 100 % by Volume

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**SECTION 3 : HAZARDS IDENTIFICATION** : (N/A)

Emergency Overview:    No known immediate health or physical hazards. Follow good industrial hygiene practice Do not ingest.  
 Physical State:         Liquid  
 Color:                    Pale yellow  
 Odor:                     Slight hydrocarbon odor

**Applies to All Ingredients :**

Potential Health Effects:

- Eye Contact:             Minimal irritation
- Skin Contact:            Minima irritation, prolonged exposure may case Drying and defatting and lead to skin disorders
- Inhalation:              Vapors may cause mild respiratory irritation

Ingestion: May be slightly toxic if swallowed

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#### SECTION 4 : FIRST AID MEASURES


: (N/A)

Eye Contact: Flush eyes for 15 minutes w/ water, retracting eyelid often. Seek medical attention if irritation persists

Skin Contact: Wash thoroughly w/ mild soap & water. Flush w/ lukewarm water for 15 minutes. Remove and clean oil soaked clothing before reuse. Seek medical attention if irritation persists.

Inhalation: Not expected to be a problem. However, if symptoms of irritation, discomfort, or overcome, remove to fresh air. Give oxygen or artificial respiration as needed. Seek immediate medical assistance

Ingestion: Minimally toxic. Do not induce vomiting. Seek medical attention if large quantities are swallowed. Note To Physician: In general emesis induction is unnecessary in high viscosity, low volatility products such as oils and grease

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#### SECTION 5 : FIRE FIGHTING MEASURES

: (N/A)

Flash Point: > 196 deg C (385 deg F)

Flash Point Method: ASTM D92

Upper Flammable or Explosive Limit: No Data Available

Lower Flammable or Explosive Limit: No Data Available

Auto Ignition Temperature: No Data Available


Flammability Class: Combustible at high temperature

Extinguishing Media: Dry chemical (Small fire); Water spray, foam, or fog for large fire -Do not use water jet

Fire Fighting Instructions: Use SCBA and full turn out gear to fight fires. Combustion products include fumes, smoke, and carbon oxides. Thermal decomposition products are dependant on temperature conditions. Material will not burn unless preheated

Special fire-fighting procedures: Water or foam may cause frothing. Use water to cool fire exposed containers. Use water spray to flush spills away from exposure. Prevent runoff from entering streams, sewers, or drinking water supply.

Unusual Fire Hazards: Material will float and can reignite on surface of water


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#### SECTION 6 : ACCIDENTAL RELEASE MEASURES

: (N/A)

Leak Response: In case of release or spill, shut off source. Absorb released material w/ sand or similar absorbent. Place material into a covered container for disposal. Do not allow spill to reach a sewer or waterway. Dike ahead of spill to contain. Use vacuum truck to collect large spills. Dispose of according to applicable local, state, federal regulations.

CERCLA: Petroleum Exclusion. Releases to air, land and water are not reportable under CERCLA (Superfund) Prevent runoff from entering streams, sewers, or drinking water supply. If the spill reaches a water source immediately notify the US Coast Guard , EPA and National Response Center (1-800-424-8802) under the clean water act

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#### SECTION 7 : HANDLING and STORAGE

: (N/A)

Handling: No special handling procures other than good hygiene practices. Avoid breathing mists and vapors. Avoid contact with skin and eyes. Launder contaminated clothing before reuse.


Wash hands after use and before handling food or applying cosmetics. Do not

use tobacco products in the immediate area.

Empty drums retain liquid residues and/or vapors. Do not cut, weld, braze, solder, or expose drum to heat, flame, sparks, static electricity, or other ignition sources. **EXPLOSION MAY OCCUR RESULTING IN SERIOUS INJURY OR DEATH.** Do not reuse drum. Drain empty drums completely, properly bung and return to a drum reconditioner. Dispose of used drums in accordance with all applicable state and federal regulations.

## Storage:

Keep containers closed. Keep away from heat, sparks, flames, and strong oxidants. Do not store near combustible material, or oxidizing materials.. Prevent and clean small spills immediately to prevent a slip hazard. Keep container tightly closed. Store in a cool, dry, well ventilated area.


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**SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION**

: (N/A)

Ventilation System:	Local Exhaust Process away from operator at a rate of 50 feet per minute when vapors or mist are generated.
Skin Protection Description:	Lab coat. For splash or liquid contact use oil resistant gloves and other compatible protective clothing. Neoprene and nitrile are recommended.
Eye/Face Protection:	ANSI Z87.1 approved safety glasses with side shields or equivalent; or chemical splash goggles.
Respiratory Protection:	Good general ventilation should be adequate. If vapors or mists occur, or ventilation is inadequate use NIOSH/ MSHA approved air respirators with organic cartridge and mist filter are recommended. Observe respirator limitations as listed by NIOSH/ MSHA and the manufacturer. The following limits for mist/ aerosol occurrence are recommended(as oil mist): 5mg/m3 ACGIH TLV, 10mg/m3 ACGIH STEL; 5mg/m3 OSHA PEL. Use adequate ventilation to keep exposure limits below recommended guidelines.
Other Protective:	Other Protective Equipment: boots

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**SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES**

: (N/A)

Physical State/Appearance:	Liquid
Color:	Pale yellow
Odor:	Slight hydrocarbon
Flash Point:	> 385 deg F
Flash Point Method:	(Cleveland Open Cup)
Boiling Point:	> 550 deg F
Melting Point:	deg C: No Data Available
Solubility:	In Water : slight
Specific Gravity:	0.88-0.89
Percent Volatile:	by Volume: No Data Available
Viscosity:	No Data Available
Pour Point:	10 deg F - 20 deg F
Molecular Weight:	No Data Available
Coefficient of Water/Oil	No Data Available
Distribution:	

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**SECTION 10 : STABILITY and REACTIVITY**

: (N/A)

Chemical Stability:	This material is stable
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Conditions to Avoid:	Avoid heat and flames. Avoid oxidizing agents
Incompatibilities with Other Materials:	(materials to avoid): Strong oxidizers
Hazardous Polymerization:	Hazardous Polymerization will not occur
Hazardous Decomposition Products:	Thermal decomposition products are dependant on combustion temperatures. A complex mixture of airborne solids, liquids, and gases will evolve when this material undergoes pyrolysis or combustion. Carbon monoxide, Carbon dioxide and other unidentified organic compounds may be formed upon combustion.


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## SECTION 11 : TOXICOLOGICAL INFORMATION

: (N/A)

### Machine & Bearing Oil Highly refined petroleum oil :


Skin Effects:	Dermal LD50 > 5.0 g/Kg (Rat) OSHA CLASSIFICATION: Non-Toxic MATERIAL TESTED: Based on components
Ingestion Effects:	Oral LD50 > 5.0g/Kg (Rat) OSHA CLASSIFICATION: Non-Toxic MATERIAL TESTED: Based on components
Carcinogenicity:	Chemical Name: Machine & Bearing Oil NTP: No IARC: Not reviewed ACGIH: No OSHA: No

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## SECTION 12 : ECOLOGICAL INFORMATION

: (N/A)

Ecological Paragraph:	Environmental Impact Summary: There is no ecological data available for this product. However, this product is an oil. It is persistent and does not readily biodegrade. However, it does not bioaccumulate.
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## SECTION 13 : DISPOSAL CONSIDERATIONS

: (N/A)


Waste Disposal:	This product must be disposed of in accordance with all applicable local, state and federal regulations
RCRA Hazard Class:	Under RCRA it is the responsibility of the user to determine at the time of disposal whether the material meets RCRA criteria for hazardous waste. This is because material uses include transformations, mixtures and various processes which may effect classification. Refer to the latest EPA, state and local regulations regarding disposal.

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## SECTION 14 : TRANSPORT INFORMATION

: (N/A)

DOT Shipping Information:	Not regulated by United States (DOT) under 49CFR parts 171-180 Oil: this product is an oil under 49CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3500 gallons or more it is subject to these requirements. Mixtures or solutions containing 10% or more of this product may also be subject to this rule
IMO:	Not regulated under IMO rules
IATA:	Not regulated under IATA rules


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## SECTION 15 : REGULATORY INFORMATION

: (N/A)

**Machine & Bearing Oil Highly refined petroleum oil :**

TSCA 8(b): Inventory Status:	This material is listed on the EPA/TSCA Inventory of Chemical Substances
Section 302:	There are no components in this product on the SARA 302 list
Section 304:	CERCLA: Petroleum Exclusion. Releases to air, land and water are not reportable under CERCLA (Superfund) Prevent runoff from entering streams, sewers, or drinking water supply. If the spill reaches a water source immediately notify the US Coast Guard , EPA and National Response Center (1-800-424-8802) under the clean water act
Section 312 Hazard Category:	
Acute:	No
Chronic:	No
Fire:	No
Reactive:	No
Pressure:	No
Section 313 Toxic Release Form:	No components in this product are found on the SARA 313 list
Section 112(r): Clean Air Act	Ozone Depleting Substances (40CFR 82 Clean Air Act): This product does not contain nor is it directly manufactured with any Class I or Class II ozone depleting substances.
Section 116.4 part 117: Clean Water Act	Section 116.4 part 117: Clean Water Act (CWA): This product is defined as an oil under section 311 of EPA Clean Water Act. Spills into or leading into surface waters that cause a sheen must be reported to the National Response Center @ 1-800-424-8802
OSHA 29 CFR 1200:	Product is hazardous according to the OSHA Hazard Communication Standard 29 CFR 1910.1200 because it carries the occupational exposure limit for mineral oil mist
State:	State regulations: Pennsylvania RTK: Not Listed New Jersey: Not Listed California Prop 65: Not Listed
Canada WHMIS:	Other Chemical Inventories Where Listed: Canadian DSL
European Community Chemical Inventory Status:	Other Chemical Inventories Where Listed: Europe EINECS
Japan Chemical Inventory Status:	Other Chemical Inventories Where Listed: Japan ENCS
Australia Chemical Inventory Status:	Other Chemical Inventories Where Listed: Australian (AICS)
International Chemical Inventory Lists:	Other Chemical Inventories Where Listed: Korean Inventory, Philippines PICCS, Chinese Inventory

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**SECTION 16 : ADDITIONAL INFORMATION**

: (N/A)

**HMIS:**

Health Hazard:	0
Fire Hazard:	1
Reactivity:	0
Personal Protection:	Special: Not Applicable

**NFPA:**

Health:	0
Fire Hazard:	1
Reactivity:	0
Specific Hazard:	None

MSDS Revision Date: 8/10/2007 ewr

**Disclaimer:**

Kurt J. Lesker Company ("KJLC") believes the information contained in this Material Safety Data Sheet is accurate as of the "Date of Last Revision" specified. The information relates only to typical properties of the product. Do not use the information for product performance or specification purposes. The information is for use by technically skilled persons at their own risk. KJLC MAKES NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND, INCLUDING WITHOUT LIMITATION WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE PRODUCT OR THE INFORMATION. The information may not be valid for product use in combination with any other product or material or in any process. KJLC expressly disclaims any liability arising from any use of the product or any reliance on the

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**Additional Information:**

This product is intended for workplace use only and not household use.

**ATTENTION:** Prolonged or Repeated skin contact may cause oil acne or dermatitis

**Abbreviation:**

ND= No Data Available

NA= Not Applicable

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