



## MATERIAL SAFETY DATA SHEET

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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**LANDIS THREADING SYSTEMS**  
**360 SOUTH CHURCH STREET**  
**WAYNESBORO, PA 17268-2659**  
**717 762-3151**

**EMERGENCY CONTACT:**  
**CHEMTREC: 1-800-424-9300**

**SUBSTANCE: OSTER BESTOIL, DARK OR LANCUT THREAD CUTTING OIL**

**TRADE NAMES/SYNONYMS:**  
THREAD CUTTING OIL; 00230043

**CREATION DATE:** Sep 16 2003  
**REVISION DATE:** Dec 08 2005

### 2. COMPOSITION, INFORMATION ON INGREDIENTS

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**COMPONENT:** PARAFFIN OILS, SULFURIZED  
**CAS NUMBER:** 68201-54-7  
**PERCENTAGE:** 85.0

**COMPONENT:** 1-DECENE, SULFURIZED  
**CAS NUMBER:** 72162-15-3  
**PERCENTAGE:** 7.5

**COMPONENT:** CHLORINATED PARAFFINS  
**CAS NUMBER:** 63449-39-8  
**PERCENTAGE:** 5.0

**COMPONENT:** SULFURIZED LARD OIL  
**CAS NUMBER:** 61790-49-6  
**PERCENTAGE:** 2.5

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### 3. HAZARDS IDENTIFICATION

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**NFPA RATINGS (SCALE 0-4):** HEALTH=2 FIRE=1 REACTIVITY=0



**EMERGENCY OVERVIEW:**

**PHYSICAL FORM:** liquid

**ODOR:** petroleum odor

**MAJOR HEALTH HAZARDS:** eye irritation, suspect cancer hazard (in animals)

**POTENTIAL HEALTH EFFECTS:**

**INHALATION:**

**SHORT TERM EXPOSURE:** nausea, vomiting, diarrhea, cough, sore throat, difficulty breathing

**LONG TERM EXPOSURE:** no information is available

**SKIN CONTACT:**

**SHORT TERM EXPOSURE:** mild irritation

**LONG TERM EXPOSURE:** irritation, skin disorders

**EYE CONTACT:**

**SHORT TERM EXPOSURE:** irritation (possibly severe), tearing

**LONG TERM EXPOSURE:** no information is available

**INGESTION:**

**SHORT TERM EXPOSURE:** stomach pain, nausea, vomiting, diarrhea

**LONG TERM EXPOSURE:** loss of coordination, liver damage, reproductive effects, cancer

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### 4. FIRST AID MEASURES

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**INHALATION:** If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

**SKIN CONTACT:** Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

**EYE CONTACT:** Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

**INGESTION:** If a large amount is swallowed, get medical attention.

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### 5. FIRE FIGHTING MEASURES

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**FIRE AND EXPLOSION HAZARDS:** Slight fire hazard.

**EXTINGUISHING MEDIA:** carbon dioxide, regular dry chemical, regular foam, water

**FIRE FIGHTING:** Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

**FLASH POINT:** 370 F (188 C)  
**FLAMMABILITY CLASS (OSHA):** IIIB

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## 6. ACCIDENTAL RELEASE MEASURES

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**WATER RELEASE:**

Subject to California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). Keep out of water supplies and sewers.

**OCCUPATIONAL RELEASE:**

Stop leak if possible without personal risk. Small spills: Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

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## 7. HANDLING AND STORAGE

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**STORAGE:** Store and handle in accordance with all current regulations and standards. See original container for storage recommendations. Keep separated from incompatible substances.

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## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

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**EXPOSURE LIMITS:**

**PARAFFIN OILS, SULFURIZED:**

**MINERAL OIL MIST:**

5 mg/m<sup>3</sup> OSHA TWA

5 mg/m<sup>3</sup> ACGIH TWA

10 mg/m<sup>3</sup> ACGIH STEL

5 mg/m<sup>3</sup> NIOSH recommended TWA 10 hour(s)

10 mg/m<sup>3</sup> NIOSH recommended STEL

**VENTILATION:** Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

**EYE PROTECTION:** Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**CLOTHING:** Wear appropriate chemical resistant clothing.

**GLOVES:** Wear appropriate chemical resistant gloves.

**PROTECTIVE MATERIAL TYPES:** neoprene, nitrile

**RESPIRATOR:** Under conditions of frequent use or heavy exposure, respiratory protection may be needed. At minimum an air-purifying respirator with a high-efficiency particulate filter is recommended. Consult with a health and safety professional for specific respirators appropriate for your use.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**PHYSICAL STATE:** liquid

**APPEARANCE:** dark, clear

**ODOR:** petroleum odor

**BOILING POINT:** Not available

**FREEZING POINT:** Not available

**VAPOR PRESSURE:** Not available

**VAPOR DENSITY:** Not available

**SPECIFIC GRAVITY (water=1):** 0.91

**WATER SOLUBILITY:** insoluble

**PH:** Not available

**VOLATILITY:** Not available

**ODOR THRESHOLD:** Not available

**EVAPORATION RATE:** Not available

**VISCOSITY:** 284 SUS @ 38 C

**COEFFICIENT OF WATER/OIL DISTRIBUTION:** Not available

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## 10. STABILITY AND REACTIVITY

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**REACTIVITY:** Stable at normal temperatures and pressure.

**CONDITIONS TO AVOID:** Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

**INCOMPATIBILITIES:** oxidizing materials, peroxides, chlorine, alkali metals, aluminum, copper

**HAZARDOUS DECOMPOSITION:**

Thermal decomposition products: oxides of carbon, oxides of sulfur, hydrogen chloride

**POLYMERIZATION:** Will not polymerize.

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## 11. TOXICOLOGICAL INFORMATION

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**OSTER BESTOIL, DARK OR LANCUT THREAD CUTTING OIL:**

**LOCAL EFFECTS:**

Irritant: eye

**1-DECENE, SULFURIZED:**

**TOXICITY DATA:**

>10 gm/kg oral-rat LD50

**ACUTE TOXICITY LEVEL:** Insufficient Data.

**CHLORINATED PARAFFINS:**

**IRRITATION DATA:**

100 mg/24 hour(s) skin-rat mild; 100 mg eyes-rabbit mild

**TOXICITY DATA:**

>10 ml/kg skin-rabbit LD50; >21.5 ml/kg oral-rat LD50 (C10-12, 58% chlorine NTP TR-305)

**CARCINOGEN STATUS:** NTP: Anticipated Human Carcinogen; IARC: Animal Sufficient Evidence, Animal Limited Evidence, Group 2B

**ACUTE TOXICITY LEVEL:**

Relatively Non-toxic: ingestion

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## 12. ECOLOGICAL INFORMATION

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Not available

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## 13. DISPOSAL CONSIDERATIONS

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Dispose in accordance with all applicable regulations.

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## 14. TRANSPORT INFORMATION

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**U.S. DOT 49 CFR 172.101:**

**PROPER SHIPPING NAME:** Environmentally hazardous substances, liquid, n.o.s. (CHLORINATED PARAFFINS)

**ID NUMBER:** UN3082

**HAZARD CLASS OR DIVISION:** 9

**PACKING GROUP:** III

**LABELING REQUIREMENTS:** 9

**MARINE POLLUTANT:** CHLORINATED PARAFFINS



**CANADIAN TRANSPORTATION OF DANGEROUS GOODS:**

**SHIPPING NAME:** Environmentally hazardous substance, liquid, n.o.s. (CHLORINATED PARAFFINS)

**UN NUMBER:** UN3082

**CLASS:** 9

**PACKING GROUP/RISK GROUP:** III

**MARINE POLLUTANT:** CHLORINATED PARAFFINS

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## 15. REGULATORY INFORMATION

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**U.S. REGULATIONS:**

**CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):** Not regulated.

**SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):** Not regulated.

**SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40):** Not regulated.

**SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):**

ACUTE: No

CHRONIC: Yes

FIRE: No

REACTIVE: No

SUDDEN RELEASE: No

**SARA TITLE III SECTION 313 (40 CFR 372.65):** Not regulated.

**OSHA PROCESS SAFETY (29CFR1910.119):** Not regulated.

**STATE REGULATIONS:**

**California Proposition 65:**

Known to the state of California to cause the following:

**Chlorinated paraffins (C12, 60% Cl)**

Cancer (Jul 01, 1989)

**CANADIAN REGULATIONS:**

**WHMIS CLASSIFICATION:** Not determined.

**NATIONAL INVENTORY STATUS:**

**U.S. INVENTORY (TSCA):** All the components of this substance are listed on or are exempt from the inventory.

**TSCA 12(b) EXPORT NOTIFICATION:** Not listed.

**CANADA INVENTORY (DSL/NDSL):** Not determined.

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**16. OTHER INFORMATION**

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