

MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION
Trade Name: OATEY DARK THREAD CUTTING OIL
Product Use: Oil for pipe cutting and threading
Formula: Petroleum Distillates mixture
Synonyms: Thread cutting oil
Firm Name & Mailing Address: OATEY CO. 4700 West 160th Street P.O. Box 35906 Cleveland, Ohio 44135, U.S.A. <http://www.oatey.com>
Oatey Phone Number: (216) 267-7100 or (800) 321-9532
Emergency Phone Numbers: For Emergency First Aid call 1-303-623-5716 COLLECT. For chemical transportation emergencies ONLY, call Chemtrec at 1-800-424-9300. Outside the U.S. 1-703-527-3887.
Prepared By: Corporate Director - Safety and Environmental Compliance
Preparation Date: July 27, 2005

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

| <u>INGREDIENTS:</u> | <u>%wt/wt:</u> | <u>CAS NUMBER:</u> | <u>ACGIH TLV TWA:</u> | <u>OSHA PEL TWA:</u> | <u>OTHER:</u> |
|-----------------------|----------------|--------------------|-----------------------|----------------------|------------------|
| Petroleum distillates | 90%, max. | 69029-75-0 | 5mg/m3 | 5mg/m3 | STEL: 10mg/m3 |
| Petroleum distillates | 25%, max. | 69029-75-0 | 5mg/m3 | 5mg/m3 | STEL: 10mg/m3 |
| Sulfur additive | 10%, max. | 68153-70-8 | None | None | None |
| Chlorinated paraffin | 5%, max. | 63449-39-8 | None | None | None |

OSHA Hazard Classification: Irritant.

SECTION 3 HAZARDS IDENTIFICATION
Emergency Overview:
Transparent dark amber fluid. Mild eye, skin, inhalation and ingestion irritant.

SECTION 4 FIRST AID MEASURES
CALL 1-303-623-5716 COLLECT
Skin: Remove contaminated clothing immediately. Wash all exposed areas with soap and water. Get medical attention if irritation develops.
Eyes: If material gets into eyes or if fumes cause irritation, immediately flush eyes with plenty of water until chemical is removed. If irritation persists, get medical attention immediately.
Inhalation: If respiratory irritation develops, remove to fresh air. If breathing becomes difficult, administer oxygen. Administer artificial respiration if breathing has stopped. Seek immediate medical attention.
Ingestion: **DO NOT INDUCE VOMITING.** Never give anything by mouth to a person who is unconscious or drowsy. Get immediate medical attention by calling a Poison Control Center, or hospital emergency room. If medical advice cannot be obtained, then take the person and product to the nearest medical emergency treatment center or hospital.

SECTION 5 FIRE FIGHTING MEASURES

Flashpoint / Method: > 300 Degrees F (149 Degrees C) / C.O.C.
Flammability: LEL = Not available, UEL = Not available
Extinguishing: Use dry chemical, CO2, or foam to extinguish fire. Do not use water as it may be ineffective as an extinguishing agent.
Media:
Special Fire Fighting: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored
Procedure:
Unusual Fire and Explosion:
Hazards: None
Hazardous Decomposition:
Products: Combustion will produce toxic and irritating vapors including oxides of carbon, phosphorus, sulfur, smoke, hydrogen chloride, and hydrogen sulfide.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill or Leak: Remove all sources of ignition and ventilate area. Contain spill, stop source of leak, pump spilled material into salvage container, soak up remaining material with absorbent such as sand or clay. Prevent product from entering potable or natural water systems. Put absorbent material in covered, labeled metal containers. Report releases to authorities as required. See Section 13 for disposal information.
Procedures:

SECTION 7 HANDLING AND STORAGE

Handling: Avoid prolonged and repeated skin contact. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in the work area. Keep product away from heat, sparks, flames and all other sources of ignition. No smoking in storage or use areas. Keep containers closed when not in use. Launder contaminated clothing before reuse.
Storage: Store in a cool, dry, well-ventilated area away from incompatible materials. Store away from direct heat source and strong oxidizing agents. Keep containers closed when not in use.
Other: Do not pressurize, cut, weld, braze, drill, grind or heat empty containers as some flammable, hazardous or combustible residue may be present. Avoid breathing mist. For industrial use only.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: General mechanical ventilation is usually adequate under normal conditions of use. Use local ventilation if necessary to maintain oil mist below PEL/TLV.
Respiratory Protection: For operations where the exposure limit may be exceeded, a NIOSH approved organic vapor respirator or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration, select in accordance with 29 CFR 1910.134 and good industrial hygiene practice.
Skin Protection: Oil/Chemical resistant gloves such as neoprene or nitrile.
Eye Protection: Safety glasses with side shields or chemical splash goggles if necessary.

SECTION 8: Continued

Other: Eye wash and safety shower should be available. Other such as protective apron as necessary to prevent prolonged skin contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: > 500 Degrees F / 260 Degrees C
Melting Point: Not applicable
Vapor Pressure: < 0.1 mm Hg at 20 degrees C
Vapor Density: > 1.0 (Air = 1.0)
Volatile Components: Negligible
Solubility In Water: Negligible
pH: Not applicable
Specific Gravity: 0.90 - 0.95 (Water = 1.0)
Evaporation Rate: Negligible (BUAC = 1.0)
Appearance: Transparent dark amber oily fluid
Odor: Mild petroleum
Will Dissolve In: Oil and organic solvents
Material Is: Liquid

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable.
Conditions To Avoid: Avoid heat, sparks, flames and other sources of ignition.
Hazardous
Decomposition
Products: Combustion will produce toxic and irritating vapors including oxides of carbon, phosphorus, sulfur, smoke, hydrogen chloride, and hydrogen sulfide.
Incompatibility/
Materials To Avoid: Avoid contact with strong oxidizers.
Hazardous Will not occur.
Polymerization:

SECTION 11 TOXICOLOGICAL INFORMATION

Inhalation: Excessive exposure to mist may irritate respiratory tract.
Skin: May cause irritation.
Eye: May cause irritation.
Ingestion: May irritate gastrointestinal tract.
Chronic Prolonged continued skin contact may cause dermatitis, mist may irritate respiratory tract.
Toxicity:
Toxicity Data: Not available
Sensitization: None of the components are known to cause sensitization.
Carcinogenicity: None of the components are listed as a carcinogen or suspect carcinogen by NTP, IARC or OSHA.
Mutagenicity: Not available
Reproductive
Toxicity: Not available
Medical
Conditions
Aggravated By
Exposure: Persons with pre-existing skin or lung disorders may be at increased risk from exposure to this product.

SECTION 12 ECOLOGICAL INFORMATION

VOC
Information: None
VOC Level: Not established

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose in accordance with current local, state and federal regulations.
RCRA Hazardous Waste Number: Not applicable
EPA Hazardous Waste ID Number: Not applicable
EPA Hazard Waste Class: Not applicable

SECTION 14 TRANSPORT INFORMATION

DOT
Proper Shipping Name: Not applicable
Hazard Class/Packing Group: Not applicable
UN/NA Number: Not applicable
Hazard Labels: Not applicable
IMDG
Proper Shipping Name: Not applicable
Hazard Class/Packing Group: Not applicable
UN Number: Not applicable
Label: Not applicable

2004 North American Emergency Response Guidebook Number: None

SECTION 15 REGULATORY INFORMATION

Hazard Category for Section 311/312: None
Section 302 Extremely Hazardous Substances (TPQ): This product does not contain chemicals regulated under SARA Section 302.
Section 313 Toxic Chemicals: This product contains no chemicals subject to SARA Title III Section 313 Reporting requirements.
CERCLA 103 Reportable: None
California Proposition 65: This product is not known to contain any chemicals subject to California Proposition 65 regulation.
TSCA Inventory: All of the components of this product are listed on the TSCA inventory.
Canadian WHMIS Classification: D2B. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

SECTION 16 OTHER INFORMATION

NFPA and HMIS:
NFPA Hazard Signal: Health: 1 Flammability: 1 Reactivity: 0 Special: None
HMIS Hazard Signal: Health: 1 Flammability: 1 Reactivity: 0 PPE: B

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