



# DENNIS K. BURKE INC.

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# MATERIAL SAFETY DATA SHEET

## FLEETLINE R&O

## TURBINE/HYDRAULIC OIL ISO 150

MSDS NO. FLE 7611 PAGE 1

Additional copies of this MSDS can be obtained by calling 1-800-289-2875 or downloaded from our website at [www.burkeoil.com](http://www.burkeoil.com)

### SECTION 1

#### PRODUCT INFORMATION

TRADE NAME (As used on label and list)

**FLEETLINE R&O  
TURBINE/HYDRAULIC OIL  
ISO 150**

CHEMICAL NAME/SYNONYMS

**LUBRICATING OIL**

CHEMICAL FAMILY

**PETROLEUM  
HYDROCARBONS**

CAS NUMBER

**MIXTURE**

PRODUCT CODE

**FLE 7611, FLE 7612**

PREPARATION DATE

**JANUARY 15, 2008**

24-HOUR EMERGENCY ASSISTANCE

**CHEMTREC 1-800-424-9300**

In case of an accident involving hazardous materials, the Chemical Transportation Emergency Center (CHEMTREC) which is a voluntary program of the Chemical Manufacturer's Association (CMA) operates a 24-hour nationwide telephone number which can be contacted for assistance.

**NATIONAL EMERGENCY  
RESPONSE CENTER 1-800-424-8802**

**MASSACHUSETTS POISON  
INFORMATION CENTER 1-800-682-9211**

GENERAL ASSISTANCE

**DENNIS K. BURKE, INC. 1-800-289-2875**

### SECTION 2

#### HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

DOES PRODUCT CONTAIN

HAZARDOUS INGREDIENTS? . . . . NO

DOES PRODUCT CONTAIN CARCINOGENS

(NTP, IARC, or OSHA)? . . . . . NO

CHEMICAL/Common Name CAS Number Percent OSHA-PEL ACGIH-TLV

Severely Hydrotreated Heavy Paraffinic Distillate 64742-54-7 92-95 5 mg/m<sup>3</sup>\* 5 mg/m<sup>3</sup>\*

Solvent Dewaxed Residual Oil 64742-62-7 4-7 5 mg/m<sup>3</sup>\* 5 mg/m<sup>3</sup>\*

Additives Mixture 0.5-1 - -

The additive mixtures in this product have been declared a trade secret by the additive manufacturer.

\* If used in applications where a mist may be generated, observe a TWA/PEL of 5 mg/m<sup>3</sup> for mineral oil mist (OSHA and ACGIH).

This product does not contain any chemicals in sufficient quantity to be subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR 372.

### SECTION 3

#### PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT . . . . . > 330°C (625°F)

VAPOR PRESSURE (mm Hg at 20°) . . 0

VAPOR DENSITY (AIR = 1) . . not volatile

SPECIFIC GRAVITY (WATER = 1) . 0.89 to 0.90

POUR POINT . . . . . < -12°C (10°F)

EVAPORATION RATE (n-BUTYL ACETATE = 1) . . . . . 0

SOLUBILITY IN WATER . . . . . 0 at 20°C

APPEARANCE AND ODOR - Amber liquid with a bland petroleum odor.

### SECTION 4

#### FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used) . . . . . COC = 238°C (460°F)

FLAMMABLE LIMITS . . . . . LEL = NDA UEL = NDA

EXTINGUISHING MEDIA - Dry Chemical, Carbon Dioxide, Foam and Water Fog.

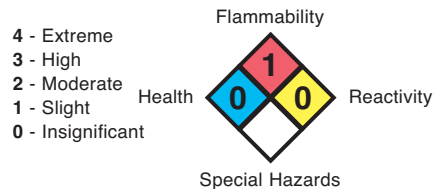
SPECIAL FIRE FIGHTING PROCEDURES - Use a smothering technique to extinguish a combustible liquid fire. Do not use a forced water stream directly on oil fires, as this will scatter the fire. Use a water fog to cool fire-exposed containers, structures, and to protect personnel.

(● continued on page 2)

#### HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

HEALTH . . . . . 0  
FLAMMABILITY . . . . . 1  
REACTIVITY . . . . . 0  
PROTECTION . . . . . 0

#### NFPA FIRE HAZARD SYMBOL\*



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#### SARA TITLE III INFORMATION

ACUTE HAZARD (Immediate Health) . . . . . NO

CHRONIC HAZARD (Delayed Health) . . . . . NO

FIRE HAZARD . . . . . NO

SUDDEN PRESSURE RELEASE HAZARD . . . . . NO

REACTIVITY HAZARD . . . . . NO

#### DOT REQUIREMENTS

DOT PROPER SHIPPING NAME  
**PETROLEUM LUBRICATING OIL**

DOT HAZARD CLASS  
**NON-HAZARDOUS**

DOT LABELS REQUIRED  
**NONE**

DOT PLACARDS REQUIRED  
**NONE**

This product has a flash point in excess of 200°F and does not require placarding.

# MATERIAL SAFETY DATA SHEET

DENNIS K. BURKE, INC.

# FLEETLINE R&O TURBINE/HYDRAULIC OIL ISO 150

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## SPECIAL FIRE FIGHTING PROCEDURES

(● continued from page 1)

If leak or spill has not ignited, ventilate area to protect personnel attempting to stop leak. Use water to flush spills away from sources of ignition. Do not flush down public sewers or other drainage systems.

**UNUSUAL FIRE AND EXPLOSION HAZARDS** – This material will not burn unless preheated. Irritating or toxic substances may be emitted upon thermal decomposition. Containers may explode in heat of fire.

## SECTION 5

### REACTIVITY DATA

**STABILITY** ..... STABLE

**CONDITIONS TO AVOID FOR STABILITY** – Avoid heat, sparks and open flames. Prevent vapor accumulation.

**INCOMPATIBILITY (Materials To Avoid)** – This product may react with strong oxidizing agents such as hydrogen peroxide, bromine, and chromic acid.

**HAZARDOUS DECOMPOSITION** – Carbon monoxide and carbon dioxide from burning. Oxides of phosphorous from burning. Oxides of sulfur.

**HAZARDOUS POLYMERIZATION** ..... NONE

## SECTION 6

### HEALTH HAZARD DATA

**EYE CONTACT** – Practically non-irritating.

**SKIN CONTACT** – Slightly irritating. Repeated or prolonged contact with the skin could cause redness, itching, inflammation or cracking. Symptoms may include discoloration, swelling, pain or a feeling of heat.

**INJECTION** – High pressure skin injections may not appear serious at first; tissue will become swollen, discolored and extremely painful.

**DERMAL TOXICITY** – Practically non-toxic to internal organs.

**INHALATION** – Low risk at ambient temperatures. Prolonged breathing of vapors can cause headache, dizziness, nausea, respiratory irritation or chemical pneumonitis.

**INGESTION** – Low toxicity. If less than one ounce is ingested, material may pass through the system without harm. On ingestion of large quantities, slight GI discomfort, diarrhea and headaches may occur.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE** – Pre-existing dermatitis may be aggravated.

### EMERGENCY AND FIRST AID PROCEDURES

**EYE CONTACT** – Flush immediately with fresh water. Remove contact lenses if worn. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

**SKIN CONTACT** – Remove contaminated clothes immediately. Wash skin thoroughly with soap and water. Get medical attention if irritation persists. Wash contaminated clothes.

**INJECTION** – High pressure injections are serious medical emergencies. Get medical attention immediately.

**INHALATION** – Remove victim from source of exposure to fresh air. If breathing is difficult, provide oxygen. Get medical attention.

**INGESTION** – Do not induce vomiting. Unless large quantities are ingested, no treatment is necessary. However, get medical attention.

**NOTES TO PHYSICIAN** – In case of skin injection, prompt debridement of the wound may be necessary to minimize necrosis and tissue loss.

## SECTION 7

### PRECAUTIONS FOR SAFE HANDLING AND USE

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED** – Shut off ignition sources; no flares, smoking or flames in hazard area. Stop leak if you can do it without risk.

To clean small spills, transfer bulk of product into another container. Absorb residue with an inert material such as earth, sand or oil absorbent. Sweep up and dispose of as solid waste in accordance with applicable federal, state and local regulations.

Considered to be a water pollutant, prevent releases of this product from contaminating soil and water, or from entering drainage and sewer systems. Contain liquid to prevent further contamination of soil, surface water or groundwater.

The Clean Water Act requires the reporting of any discharge of oil and petroleum (in any kind or form) into surface waters. Immediately call the National Emergency Response Center at 1-800-424-8802.

**WASTE DISPOSAL METHODS** – Place contaminated materials in containers and dispose of in accordance with applicable regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE** – Store in tightly closed containers in cool, dry, isolated, well-ventilated area away from heat, sources of ignition and incompatibles.

**EMPTY CONTAINERS** – Empty containers may contain flammable/combustible residue or vapors. Do not cut, drill, weld, reuse or dispose of containers unless precautions are taken against these hazards.

## SECTION 8

### CONTROL MEASURES

**RESPIRATORY PROTECTION** – NIOSH/MSHA approved self-contained breathing apparatus or supplied-air mask must be available for non-routine and emergency use. Ventilation may be used to control or reduce airborne concentrations.

#### VENTILATION

**LOCAL EXHAUST** ..... NA

**MECHANICAL (General)** ..... NA

**SPECIAL** ..... NA

**OTHER** ..... NA

**SKIN PROTECTION** – Wear neoprene gloves and protective clothing to prevent skin contact.

**EYE PROTECTION** – Wear safety glasses to prevent eye contact. Have eye washing facility readily available where eye contact can occur.

**WORK PRACTICES** – Do not use or store near flame, sparks or hot surfaces. Use only in well ventilated area. Keep container closed. Do not weld, heat or drill container. Replace cap or bung. Do not use pressure to empty drum or explosion may result. Keep head away from container when opening or dispensing.

**HYGIENIC PRACTICES** – Launder soiled clothing. Wash thoroughly with soap and water after handling.

NA = NOT APPLICABLE NDA = NO DATA AVAILABLE

*This information is based on the data available to us and considered to be correct. However, Dennis K. Burke, Inc. makes no warranty, expressed or implied regarding the accuracy of data, or results obtained from the use thereof. Dennis K. Burke, Inc. assumes no responsibility for injury or loss from the use of the product described.*