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#### 4. FIRST AID MEASURES

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**EYE:**

No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution remove contact lenses, if worn, and flush eyes with water.

**SKIN:**

No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Use a waterless hand cleaner, mineral oil, or petroleum jelly to remove the material. Then wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse.

**INGESTION:**

No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice.

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#### 5. FIRE FIGHTING MEASURES

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**FIRE CLASSIFICATION:**

Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

**FLAMMABLE PROPERTIES:**

FLASH POINT: (COC) 324-547F (162-286C) Min.

AUTOIGNITION: NDA

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Revision Number: 1.0

Revision Date: NOV-04

MSDS Number: 00001

NDA - No Data Available

NA - Not Applicable

**FLAMMABILITY LIMITS (% by volume in air):** Lower: NA Upper: NA

**EXTINGUISHING MEDIA:**

CO2, Dry Chemical, Foam, Water Fog

**NFPA RATINGS:** Health 0; Flammability 1; Reactivity 0.

**FIRE FIGHTING INSTRUCTIONS:**

This material will burn although it is not easily ignited.

**COMBUSTION PRODUCTS:**

Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

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## **6. ACCIDENTAL RELEASE MEASURES**

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CHEMTREC EMERGENCY NUMBER (24 hr); (800)424-9300 or (202)483-7616

**ACCIDENTAL RELEASE MEASURES:**

This material may be toxic to aquatic organism and should be kept out of sewage and drainage systems and all bodies of water.

Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

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## **7. HANDLING AND STORAGE**

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Do not use pressure to empty drum or drum may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water. Do not breathe oil mist at concentrations above the recommended exposure limits.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### ENGINEERING CONTROLS

Use in a well-ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.

### PERSONAL PROTECTIVE EQUIPMENT

#### EYE/FACE PROTECTION:

No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

#### SKIN PROTECTION:

No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances. Suggested materials for protective gloves include: <Nitrile> <Silver Shield> <Viton> <4H>

#### RESPIRATORY PROTECTION:

No special respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the recommended exposure limits. If not, select a NIOSH/MSHA approved respirator that provides adequate protection from concentrations of this material. Use the following elements for air-purifying respirators: particulate.

**Avoid prolonged and/or repeated contact with skin.**

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### PHYSICAL DESCRIPTION:

Light to dark amber liquid.

pH: NDA

VAPOR PRESSURE: NA

VAPOR DENSITY

(AIR=1): NA

BOILING POINT: NDA

FREEZING POINT: NDA

MELTING POINT: NA

SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.

SPECIFIC GRAVITY: 24-26.3 @ 60 F

VOLATILE ORGANIC

COMPOUNDS (VOC): NDA

EVAPORATION RATE: NA

VISCOSITY: 90-138 SUS @ 210 F

PERCENT VOLATILE

(VOL): NA

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## 10. STABILITY AND REACTIVITY

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No instability. (n/a)

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## 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:**

The eye irritation hazard is based on an evaluation of the data for the components.

**SKIN EFFECTS:**

The skin irritation hazard is based on an evaluation of the data for the components.

**ACUTE ORAL EFFECTS:**

The acute oral toxicity is based on an evaluation of the data for the components.

**ACUTE INHALATION EFFECTS:**

The acute respiratory toxicity is based on an evaluation of the data for the components.

**ADDITIONAL TOXICOLOGY INFORMATION:**

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

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## 12. ECOLOGICAL INFORMATION

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**ECOTOXICITY:**

The 96-hour LC50 in rainbow trout (*Oncorhynchus mykiss*) is >5000 mg/l.

**ENVIRONMENTAL FATE:**

This material is not expected to be readily biodegradable.

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## 13. DISPOSAL CONSIDERATIONS

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Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

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## 14. TRANSPORT INFORMATION

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The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE  
FEDERAL DOT

DOT HAZARD CLASS: NOT APPLICABLE

DOT IDENTIFICATION NUMBER: NOT APPLICABLE

DOT PACKING GROUP: NOT APPLICABLE

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## 15. REGULATORY INFORMATION

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SARA 311 CATEGORIES:

1. Immediate (Acute) Health Effects:	NO
2. Delayed (Chronic) Health Effects:	NO
3. Fire Hazard:	NO
4. Sudden Release of Pressure Hazard:	NO
5. Reactivity Hazard:	NO

### EEC RISK AND SAFETY STATEMENTS:

May cause long-term adverse effects in the aquatic environment.

### NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows:

PETROLEUM OIL

### WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

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## 16. OTHER INFORMATION

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NFPA RATINGS: Health 0; Flammability 1; Reactivity 0;

HMIS RATINGS: Health 1; Flammability 1; Reactivity 0;

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, \*- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

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NA - Not Applicable

REVISION STATEMENT:

This is a new Material Safety Data Sheet.

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

- TLV - Threshold Limit Value
- STEL - Short-term Exposure Limit
- RQ - Reportable Quantity
- C - Ceiling Limit
- A1-5 - Appendix A Categories
- NDA - No Data Available
- TWA - Time Weighted Average
- TPQ - Threshold Planning Quantity
- PEL - Permissible Exposure Limit
- CAS - Chemical Abstract Service Number
- ( ) - Change Has Been Proposed
- NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1).

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The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

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