

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER(S): IMPERIAL HDTO OILS SAE 10W, 30 & 50

COMPANY IDENTIFICATION
International Petroleum Products
& Additives Company, Inc (IPAC)
11875 Dublin Blvd. Suite A-201
Dublin, CA 94568

EMERGENCY TELEPHONE NUMBERS
HEALTH (24 hr): (925) 556-5530

PRODUCT INFORMATION: MSDS Requests: (925) 556-5530
Environmental, Safety, & Health Info.: (925) 556-5530
Product Information: (925) 556-5530

2. COMPOSITION/INFORMATION ON INGREDIENTS

LPSHULDO#KGWR#RLOV#VDH#43Z/#63#) #83#

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Table with 4 columns: Components, Amount, Limit/ Qty., AGENCY/TYPE. Row 1: Lubricating Base Oil, Severly refined Petroleum Distillate; Amount: > 90.00-94.00%; Limit/ Qty.: 5 mg/m3 (mist), 10 mg/m3 (mist), 5 mg/m3 (mist); AGENCY/TYPE: ACGIH TWA, ACGIH STEL, OSHA PEL.

The Base Oil may be a mixture of any of the following: CAS 64741884, CAS 64741895, CAS 64741964, CAS 64741975, CAS 64742014, CAS 64742525, CAS 64742536, CAS 64742547, CAS 64742627, CAS 64742650, or CAS 72623837.

Additives 6 - 10.0%

Composition Comment: All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

This product fits the ACGIH definition for mineral oil mist. The ACGIH TLV is 5 mg/m3, the OSHA PEL is 5 mg/m3.

3. HAZARDS IDENTIFICATION

- EMERGENCY OVERVIEW
CAUSES SEVERE EYE IRRITATION AND INJURY
SPECIAL HAZARDS INFORMATION FOR MAN AND ENVIRONMENT

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NDA - No Data Available NA - Not Applicable

- Eye: Not expected to cause prolonged or significant eye irritation.
- Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin.

**High-Pressure Equipment Information:**

Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

- Ingestion: Not expected to be harmful if swallowed.

- Inhalation: Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit.

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#### 4. FIRST AID INFORMATION

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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. 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. Never give anything by mouth to an unconscious person.

- Inhalation: If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound, however, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

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**NA - Not Applicable**

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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: 360 °F Min.

Fire Point: NDA

Autoignition: NDA

Flammability Limits (% by volume in air): Lower: 1% Upper: 10%

**Extinguishing Media:** CO<sub>2</sub>, Dry Chemical, Foam, Water Fog

**NFPA Ratings:** Health 1; 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

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

Accidental Release Measures: Stop the source of the leak or release. Clean up releases as soon as possible, observing precautions in Exposure Controls/Personal Protection. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as absorbent 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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**NA - Not Applicable**

**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 mineral oil mist exposure limits.

**Personal Protection Equipment:**

Eye/ Face: 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>

Respiratory Protection: No respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the recommended mineral oil mist exposure limits. If not, wear a NIOSH approved respirator that provides adequate protection from measured 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: Dark amber liquid  
pH: NDA  
Vapor Pressure: <0.001mmHg  
Vapor Density  
(AIR=1): NA  
Boiling Point: NDA  
Freezing Point: NDA  
Melting Point: NA  
Solubility: Soluble in hydrocarbon solvents; insoluble in water.  
Specific Gravity: 24.3 - 27 @ 60 F  
Density: 7.44 - 7.57 lb/gal  
Volatile Organic  
Compounds (VOC): NDA  
Evaporation Rate: NA  
Viscosity: 43 – 96 SUS @ 210 F  
Percent Volatile  
(VOL): NA

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**10. STABILITY AND REACTIVITY**

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**HAZARDOUS DECOMPOSITION PRODUCTS:**

Thermal decomposition in the presence of air may yield major amounts of oxides of carbon and minor amounts of oxides of sulfur and nitrogen.

**CHEMICAL STABILITY:**

Stable.

**CONDITIONS TO AVOID:**

No data available.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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**11. TOXICOLOGICAL INFORMATION**

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**EYE EFFECTS:**

The eye irritation hazard is based on data for a similar material.

**SKIN EFFECTS:**

The skin irritation hazard is based on data for a similar material.

**ACUTE ORAL EFFECTS:**

The acute oral toxicity is based on data for a similar material.

**ACUTE INHALATION EFFECTS:**

The acute respiratory toxicity is based on data for a similar material.

**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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**Revision Number: 2.0****Revision Date: June - 2010****MSDS Number: HDTO****NDA - No Data Available****NA - Not Applicable**

**ECOTOXICITY:**

The 96-hour LC50 for rainbow trout (*Oncorhynchus mykiss*) is > 1000 mg/l Accidental Release

This material is not expected to be harmful to aquatic organisms.

**ENVIRONMENTAL FATE:**

This material is considered inherently 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: NONE

DOT HAZARD CLASS: NONE

DOT IDENTIFICATION NUMBER: NONE

DOT PACKING GROUP: N/A

ADDITIONAL INFO: Petroleum Lubricating Oil - Not Hazardous by U.S. DOT.

ADR/RID Hazard class - 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

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WHITE MINERAL OIL

is found on lists: 14,15,17,

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.

16. OTHER INFORMATION

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).

REVISION STATEMENT:

This revision updates Section 12 (Ecological Information).

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value TWA - Time Weighted Average
STEL - Short-term Exposure Limit TPQ - Threshold Planning Quantity
RQ - Reportable Quantity PEL - Permissible Exposure Limit
C - Ceiling Limit CAS - Chemical Abstract Service Number
A1-5 - Appendix A Categories () - Change Has Been Proposed
NDA - No Data Available 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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