

IMPERIAL OIL CO.,INC. -- HYDRAULIC FLUID, PETROLEUM BASE ISO 32

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MSDS Safety Information  
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FSC: 9150  
NIIN: 00-985-7233  
MSDS Date: 05/15/2000  
MSDS Num: CKWCB  
Product ID: HYDRAULIC FLUID, PETROLEUM BASE ISO 32  
MFN: 01  
Responsible Party  
Cage: 58563  
Name: IMPERIAL OIL CO.,INC.  
Address: ORCHARD PLACE  
Box: 279  
City: MORGANVILLE NJ 07751  
Info Phone Number: 732-591-9400/FAX -8825  
Emergency Phone Number: 732-591-9400  
Proprietary Ind: Y  
Published: Y

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Contractor Summary  
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Cage: 58563  
Name: IMPERIAL OIL CO INC  
Address: FOOT OF ORCHARD PL  
Box: 279  
City: MORGANVILLE NJ 07751  
Phone: 732-591-9400/FAX: 732-591-8825  
Contract Number: SP0450-01-M-C146

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Item Description Information  
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Item Manager: S9G  
Item Name: HYDRAULIC FLUID,PETROLEUM BASE  
Specification Number: MIL-H-17672D  
Type/Grade/Class: ISO GRADE 32  
Unit of Issue: DR  
Quantitative Expression: 00000000055GL  
UI Container Qty: 1  
Type of Container: DRUM

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Ingredients  
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Name: \*\*\* PROPRIETARY \*\*\*  
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Health Hazards Data  
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Route Of Entry Inds - Inhalation: YES

Skin: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: TARGET ORGANS: SKIN, RESPIRATORY TRACT. HEALTH HAZARD (ACUTE AND CHRONIC): WHILE THIS PRODUCT MAY IRRITATE THE SKIN FROM PROLONGED SKIN CONTACT THERE IS NO MEDICAL OR TOXICOLOGICAL EVIDENCE THAT IT IS NEITHER AN "IRRITANT", "CORROSIVE" NOR A "CARCINOGEN". IT HAS A LOW ORDER OF ORAL AND DERMAL TOXICITY. INHALATION OF PRODUCT MIST MAY CAUSE PULMONARY PROBLEMS WHICH AS WITH ANY ILLNESS, IF LEFT UNATTENDED, COULD CAUSE PULMONARY INJURY.

Explanation Of Carcinogenicity: BASED UPON AVAILABLE DATA & TECHNOLOGY, THE LUBRICANT DESCRIBED HEREIN IS NOT CONSIDERED TO BE TOXIC OR CARCINOGENIC TO HUMANS.

Signs And Symptoms Of Overexposure: FROM HUMAN EXPERIENCE AND THE AVAILABLE TECHNICAL DATA CONCERNING THIS PRODUCT AND DUE TO ITS LOW ORDER OF DERMAL, ORAL AND INGESTIVE TOXICITY, SIGNS AND SYSTEMS OF OVER-EXPOSURE ARE UNKNOWN.

Medical Cond Aggravated By Exposure: DIRECT CONTACT WITH THE EYES MAY CAUSE IRRITATION. PROLONGED SKIN CONTACT MAY CAUSE SKIN IRRITATION.

First Aid: IF SWALLOW, DO NOT INDUCE VOMITING, CALL A PHYSICIAN IMMEDIATELY. IF SPLASHED INTO THE EYES, PURGE WITH COPIOUS AMOUNTS OF WATER. IN CASE OF SKIN CONTACT CLEANSE WITH WATERLESS SOAP FOLLOWED BY THOROUGH WASHING WITH SOAP AND WATER.

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Handling and Disposal  
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Spill Release Procedures: DIKE AND CONTAIN SPILL WITH INERT MATERIAL (SAND, EARTH, FULLERS EARTH, ETC) TRANSFER LIQUID AND CONTAMINATED DIKING MATERIALS TO SEPARATE CONTAINERS FOR RECOVERY OR DISPOSAL. AREA MAY BE SLIPPERY- CARE SHOULD BE TAKEN TO AVOID FALLS, PREVENT MATERIAL FROM GETTING INTO SEWERS AND OPEN BODIES OF WATER.

Waste Disposal Methods: UNRECOVERABLE LIQUID AND CONTAMINATED DIKING SHOULD BE INCINERATED IN APPROVED EQUIPMENT OR DISPOSED OF AT A LICENSED LANDFILL IN ACCORDANCE WITH LOCAL STATE, AND FEDERAL REGULATIONS.

Handling And Storage Precautions: LOW TEMPERATURES STORAGE- INCREASE THE VISCOSITY OF THESE OILS, THESE OILS WILL STOP POURING AT 18 TO 30C.

Other Precautions: USE PRODUCT WITH CAUTION AROUND OPEN FLAMES, HEAT SPARKS, PILOT LIGHTS AND STATIC ELECTRICITY.

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Fire and Explos  
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ion Hazard Information

Flash Point Method: COC

Flash Point: =226.7C, 440.F

Extinguishing Media: CO2 OR DRY CHEMICAL OR WATER FOG OR FOAM.

Fire Fighting Procedures: WEAR MESA/NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS AND EYE PROTECTION. (SCHEDULE 13) USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS AND TO PROTECT PERSONNEL

Unusual Fire/Explosion Hazard: NONE

Control Measures

Respiratory Protection: USE SUPPLIED- AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED SPACES IF NEEDED.

Ventilation: USE LOCAL EXHAUST TO CAPTURE VAPOR, MIST OR FUMES, IF NECESSARY. PROVIDE VENTILATION SUFFICIENT TO PREVENT EXCEEDING RECOMMENDED EXPOSURE LIMITS.

Protective Gloves: USE CHEMICAL - RESISTANT GLOVES, IF NEEDED, TO AVOID PROLONGED/REPEATED CONTACT

Eye Protection: USE SPLASH GOGGLES OR FACE SHIELD WHEN EYE CONTACT MAY OCCUR.

Other Protective Equipment: EYEWASH FACILITY.

Work Hygienic Practices: MINIMIZE BREATHING VAPOR, MIST OR FUMES. REMOVE CONTAMINATED CLOTHING AND LAUNDRY OR DRY CLEAN BEFORE RE-USE. OIL SOAKED SHOES SHOULD BE DISCARDED.

Supplemental Safety and Health: VENTILATION: USE LOCAL EXHAUST TO CAPTURE VAPOR, MIST OR FUMES, IF NECESSARY. PROVIDE VENTILATION SUFFICIENT TO PREVENT EXCEEDING RECOMMENDED EXPOSURE LIMIT OR BUILDUP OF EXPLOSIVE CONCENTRATIONS OF V APOR IN AIR. NO SMOKING, OR USE OF FLAME OR OTHER IGNITION SOURCES.

Physical/Chemical Properties

HCC: V6

Boiling Point: =290.6C, 555.F

Vapor Pres: 0.01 MM @ 20C

Vapor Density: &lt;5

Spec Gravity: .876

Solubility in Water: NEGLIGIBLE

Appearance and Odor: STRAW TO AMBER COLOR - NO ODOR.

Reactivity Data

Sta

bility Indicator: YES

Stability Condition To Avoid: THIS PRODUCT IS STABLE AND WILL NOT REACT VIOLENTLY WITH WATER.

Materials To Avoid: AVIOD CONTACT WITH STRONG OXIDANTS SUCH AS SULFUR AND NITROGEN COMPOUNDS, CARBON MONOXIDE, CARBON DIOXIDE, ETC., AS THIS PRESENTS SERIOUS BURNING.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

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Toxicological Information  
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Ecological Information  
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MSDS Transport Information  
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Regulatory Information  
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Other Information  
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Other Information: "EMPTY" CONTAINERS RETAIN RESIDUE (LIQUID &/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION. DOT NOT ATTEMPT TO CLEAN, SINCE THE CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER & IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS  
. \*BRAND NAME: IMPERIAL 2075T H. MILITARY SPECS:  
MIL-PRF-17672D & AM3. QUALIFICATION #: 634-D-346.

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Transportation Information  
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Responsible Party Cage: 58563  
Trans ID NO: 155384  
Product ID: HYDRAULIC FLUID, PETROLEUM BASE ISO 32  
MSDS Prepared Date: 05/15/2000  
Review Date: 11/15/2000  
MFN: 1  
Net Unit Weight: 401.3 LBS  
Multiple KIT Number: 0  
Review IND: Y  
Unit Of Issue: DR  
Container

QTY: 1  
Type Of Container: DRUM

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Detail DOT Information  
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DOT PSN Code: ZZZ  
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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Detail IMO Information  
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IMO PSN Code: ZZZ  
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
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Detail IATA Information  
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IATA PSN Code: ZZZ  
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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Detail AFI Information  
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AFI PSN Code: ZZZ  
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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Product ID: HYDRAULIC FLUID, PETROLEUM BASE ISO 32

Cage: 58563

Company Name: IMPERIAL OIL CO INC

Street: FOOT OF ORCHARD PL

PO Box: 279

City: MORGANVILLE NJ

Zipcode: 07751

Health Emergency Phone: 732-591-9400

Label Required IND: Y

Date Of Label Review: 11/15/2000

Status Code: A

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: YES

Health Hazard: S

light

Contact Hazard: Slight

Fire Hazard: Slight

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: SKIN, RESPIRATORY TRACT. HEALTH HAZARD (ACUTE AND CHRONIC): WHILE THIS PRODUCT MAY IRRITATE THE SKIN FROM PROLONGED SKIN CONTACT THERE IS NO MEDICAL OR TOXICOLOGICAL EVIDENCE THAT IT IS NEITHER AN "IRRITANT", "CORROSIVE" NOR "CARCINOGEN". IT HAS A LOW ORDER OF ORAL AND DERMAL TOXICITY. INHALATION OF PRODUCT MIST MAY CAUSE PULMONARY PROBLEMS WHICH AS WITH ANY ILLNESS, IF LEFT UNATTENDED, COULD CAUSE PULMONARY INJURY.

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