

IMPERIAL OIL CO.,INC. -- MIL-PRF-2105E, IMPERIAL 2075 TH, QUAL# 634-D3

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MSDS Safety Information

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FSC: 9150

NIIN: 00-985-7231

MSDS Date: 09/12/1998

MSDS Num: CKVMH

Product ID: MIL-PRF-2105E, IMPERIAL 2075 TH, QUAL# 634-D346, MIL-H-17672

MFN: 01

Responsible Party

Cage: 58563

Name: IMPERIAL OIL CO.,INC.

Address: ORCHA

RD PLACE

Box: 279

City: MORGANVILLE NJ 07751

Info Phone Number: 732-591-9400/FAX -8825

Emergency Phone Number: 908-591-9400

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Item Description Information

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Item Manager: S9G

Item Name: HYDRAULIC FLUID,PETROLEUM BASE

Specification Number: MIL-L-17672

Type/Grade/Class: NONE

Unit of Issue: QT

UI Container Qty: G

Type of Container: CAN

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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

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: WHILE THIS PRODUCT MAY IRRITATE THE SKIN FROM PROLONGED SKIN CONTACT, THERE IS NO MEDICAL OR TOXICOLOGICAL EVIDENCE THAT IT IS AN

IRRITANT, A CORROSIVE OR A CARCINOGEN. IT HAS A LOW ORDER OR 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: THERE IS NO MEDICAL OR TOXICOLOGICAL EVIDENCE THAT IT IS AN IRRITANT, A CORROSIVE OR A CARCINOGEN.

Signs And Symptions 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 SYMPTOMS OF OVEREXPOSURE ARE UNKNOWN.

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

First Aid: IF SWALLOWED, 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, FULLER EARTH, ETC). TRANSFER LIQUID AND CONTAMINATED DIKING MATERIAL TO SEPARATE CONTAINERS FOR RECOVERY OR DISPOSAL. AREA MAY BE SLIPPERY-CARE SHOULD BE TAKEN TO AVOID FALL-PREVENT MATERIAL FROM GETTING INTO SEWERS AND OPEN BODIES OF WATER.

Neutralizing Agent: NO DATA PROVIDED BY MANUFACTURER

Waste Disposal Methods: UNRECOVERED LIQUID AND CONTAMINATED DIKING MATERIAL 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 TEMPERATURE 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 Explosion Hazard Information

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Flash Point Method: COC  
Flash Point: >210.C, 410.F  
Flash Point Text: 410-440F  
Lower Limits: NA  
Upper Limits: NA

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.

Unusual F

ire/Explosion Hazard: NONE

Control Measures

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

Protective Gloves: IMPERVIOUS

Eye Protection: SPLASH GOGGLES.

Other Protective Equipment: EYEWASH FACILITY.

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

Supplemental Safety and Health: "EMPTY" CONTAINERS RETAIN RESIDUE (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 OR OTHER SOURCES OF IGNITIONS; THEY MAY EXPLODE AND CAUSE INJURY. DO NOT ATTEMPT TO CLEAN, SINCE THE RESIDUE IS DIFFICULT TO CLEAN.

Physical/Chemical Properties

HCC: V6

Boiling Point: =-326.1C, -555.F

B.P. Text: IEP

Melt/Freeze Pt: <30.C, 86.F

Vapor Pres: 0.01 MM@ 20C

Vapor Density: >5

Spec Gravity: .876

Solubility in Water: NEGLIGIBLE

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

Reactivity Data

Stability Indicator: YES

Materials To Avoid: CONTACT WITH STRONG OXIDIZERS.

Hazardous Decomposition Products: SULFUR AND NITROGEN COMPOUNDS, CARBON MONOXIDE, CARBON DIOXIDE DUE TO BURNING.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

Toxicological Information

Toxicological Information: NO DATA PROVIDED BY MANUFACTURER

Ecological Information

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Ecological: NO DATA PROVIDED BY MANUFACTURER

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MSDS Transport Information

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Transport Information: NO DATA PROVIDED BY MANUFACTURER

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Regulatory Information

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Sara Title III Information: NO DATA PROVIDED BY MANUFACTURER  
Federal Regulatory Information: NO  
DATA PROVIDED BY MANUFACTURER  
State Regulatory Information: NO DATA PROVIDED BY MANUFACTURER

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Other Information

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Other Information: "EMPTY" DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED  
AND PROMPTLY SENT TO A DRUM RECONDITIONER. ALL OTHER CONTAINERS SHOULD BE  
DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH LOCAL,  
STATE AND FEDERAL REGULATIONS. BASED ON  
AVAILABLE DATA AND TECHNOLOGY, THE  
LUBRICANT DESCRIBED HEREIN IS NOT CONSIDERED TO BE TOXIC OR CARCINOGENIC TO  
HUMANS.

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Transportation Information

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Responsible Party Cage: 58563  
Trans ID NO: 155143  
Product ID: MIL-PRF-2105E, IMPERIAL 2075 TH, QUAL# 634-D346, MIL-H-17672  
MSDS Prepared Date: 09/12/1998  
Review Date: 10/27/2000  
MFN: 1  
Net Unit Weight: 1.8 LBS  
Multiple KIT Number: 0  
Unit  
Of Issue: QT  
Container QTY: G  
Type Of Container: CAN

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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 TRANSPORTA

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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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HAZCOM Label

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Product ID: MIL-PRF-2105E, IMPERIAL 2075 TH, QUAL# 634-D346, MIL-H-17672

Cage: 58563

Company Name: IMPERIAL OIL CO INC

Street: FOOT OF ORCHARD PL

PO Box: 279

City: MORGANVILLE NJ

Zipcode: 07751

Health Emergency Phone: 908-591-9400

Label Required IND: Y

Date Of Label Review: 10/27/2000

Status Code: A

Year Procured: 2001

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respi

ratory Protection IND: NO

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: Slight

Reactivity Hazard: None

Hazard And Precautions: THIS PRODUCT MAY IRRITATE THE SKIN FROM PROLONGED SKIN CONTACT. INHALATION OF PRODUCT MIST MAY CAUSE PULMONARY PROBLEMS WHICH AS WITH ANY ILLNESS IF LEFT UNATTENDED COULD CAUSE PULMONARY INJURY. TARGET ORGANS: N/P. FIRST AID: IF SWALLOWED,DO NOT INDUCE VOMITING, CALL A PHYSICIAN IMMEDIATELY. IF SPLASHED INTO THE EYES, PURGE WITH COPIOUS AMOUNTS OF WA

TER.  
IN CASE OF SKIN CONTACT CLEANSE WITH WATERLESS SOAP FOLLOWED BY THOROUGH  
WASHING WITH SOAP AND WATER.

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warrants, states, or intends said information to have any application, use or  
viability by or to a  
ny person or persons outside the Department of Defense  
nor any person or persons contracting with any instrumentality of the United  
States of America and disclaims all liability for such use. Any person  
utilizing this instruction who is not a military or civilian employee of the  
United States of America should seek competent professional advice to verify  
and assume responsibility for the suitability of this information to their  
particular situation regardless of similarity to a corre  
sponding Department  
of Defense or other government situation.