

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: 00-985-7233
MSDS Date: 09/12/1998
MSDS Num: CKVMF
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: ORCH
ARD 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-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
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 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: THERE IS NO MEDICAL OR TOXICOLOGICAL EVIDENCE THAT IT IS AN IRRITANT, A CORROSIVE OR A CARCINOGEN.

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 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 Fire/Explosion Hazard: NONE

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Control Measures
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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
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CONTAMINATED CLOTHING AND LAUNDRY 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.

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Physical/Chemical Properties
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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.

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Reactivity Data
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Stability Indicator: YES

Materials To Avoid

Reactivity: 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.

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Toxicological Information
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Toxicological Information: NO DATA PROVIDED BY MANUFACTURER
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logical Information

Ecological: NO DATA PROVIDED BY MANUFACTURER

MSDS Transport Information

Transport Information: NO DATA PROVIDED BY MANUFACTURER

Regulatory Information

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

Other Information

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.

Transportation Information

Responsible Party Cage: 58563
Trans ID NO: 155141
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: 400 LBS
Multiple KIT Number: 0
Unit Of Issue: DR
Container QTY: 1
Type Of Container: DRUM

Detail DOT Information

DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Detail IMO Information

IMO PSN Code: ZZZ
IMO Proper Shipp

ing 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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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

Respiratory 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 SPLAS

HED 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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