

IMPERIAL OIL CO.,INC. -- IMPERIAL 2075TH, HYDRAULIC FLUID PETROLEUM BA

=====

MSDS Safety Information

=====

FSC: 9150

NIIN: 00-985-7232

MSDS Date: 05/15/2000

MSDS Num: CLPVY

Product ID: IMPERIAL 2075TH, HYDRAULIC FLUID PETROLEUM BASE ISO 32

MFN: 01

Responsible Party

Cage: 58563

Name: IMPERIAL OIL CO.,INC.

Address: ORCHARD PLA

CE

Box: 279

City: MORGANVILLE NJ 07751

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

Emergency Phone Number: 732-591-9400

Proprietary Ind: Y

Review Ind: Y

Published: Y

=====

Contractor Summary

=====

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: SP0450-02-M-L248

=====

=====

Item Description Information

=====

Item Manager: S9G

Item Name: HYDRAULIC FLUID,PETROLEUM BASE

Specification Number: MIL-H-17672D

Type/Grade/Class: ISO GRADE 32

Unit of Issue: CN

Quantitative Expression: 00000000005GL

UI Container Qty: K

Type of Container: CAN

=====

Ingredients

=====

Name: *** PROPRIETARY ***

Health Hazards Data

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 TOXCITY. INHALATION OF PRODUCT MIST MAY CAUSE PULMONARY PROBLEMS WHICH AS WITH ANY ILLNESS, IF LEFT UNAT TENDED, 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 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 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 THOROU GH WASHING WITH SOAP AND WATER.

Handling and Disposal

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- CA RE 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 EQUIPM ENT 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.

Fire and Explosion Hazard Information

=====

Flash Point Method: COC

Flash Point: =226.7C, 440.F

Extinguishing Media: CO2 OR DRY CHEMICALOR 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 CONTINERS AND TO PROTECT PERSONNEL

Unusual Fire/Explosion Hazard: NONE

=====

Control Measures

=====

Respiratory P

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

Ventilation: "SEE SUPPLEMENTAL SAFETY AND HEALTH"

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 LAUNDER 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: <5

Spec Gravity: .876

Solubility in Water: NEGLIGIBLE

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

=====

Reactivity Data

=====

Stability 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 S

ULFUR 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.

=====
Toxicological Information
=====

=====
Ecological Information
=====

==
MSDS Transport Information
=====

=====
Regulatory Information
=====

=====
Other Information
=====

Other Information: "EMPTY" CONTAINERS RETAIN RESIDUE (LIQUID &/OR VAPOR)
AND CAN BE DANGE
ROUS. 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.

=====
Transportation Inform
ation
=====

Responsible Party Cage: 58563
Trans ID NO: 159707
Product ID: IMPERIAL 2075TH, HYDRAULIC FLUID PETROLEUM BASE ISO 32
MSDS Prepared Date: 05/15/2000
Review Date: 11/04/2001
MFN: 1
Net Unit Weight: 36.5 LBS
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: CN
Container QTY: K
Type Of Container: CAN

=====
Detail DOT Information
=====

D

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

=====

Detail IMO Information

=====

IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

=====

Detail IATA Information

=====

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

=====

Detail AFI Information

=====

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

=====

HAZCOM Label

=====

Product ID: IMPERIAL 2075TH, HYDRAULIC FLUID PETROLEUM BASE ISO 32
Cage: 58563
Company Name: IMPERIAL OIL C
O 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: 11/04/2001
Status Code: A
Year Procured: 2001
Origination Code: F
Chronic Hazard IND: Y
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: CAUTION
Respiratory Protection IND: YES
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: Slight
Reactivity Hazard: None
Hazard And Precautions: TARGET ORGANS: SKIN, RESPIRATORY TR

ACT. 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 TOXCITY. INHALATION OF PRODUCT MIST MAY CAUSE PULMONARY PROBLEMS WHICH AS WITH ANY ILLNESS, IF LEFT UNAT TENDED, COULD CAUSE PULMONARY INJURY.

=====

Disclaimer (provided with t

his information by the compiling agencies): This

information is formulated for use by elements of the Department of Defense.

The United States of America in no manner whatsoever expressly or implied

warrants, states, or intends said information to have any application, use or

viability by or to any 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 corresponding Department

of Defense or other government situation.