

IMPERIAL OIL CO.,INC. -- IMP-EP-TURBIN OIL, MIL-L-17331, 2190 TEP, QU

=====
MSDS Safety Information
=====

FSC: 9150
NIIN: 01-372-6915
MSDS Date: 06/20/1996
MSDS Num: CDJVW
Product ID: IMP-EP-TURBIN OIL, MIL-L-17331, 2190 TEP, QUAL #L-17331-3
MFN: 02
Responsible Party
Cage: 58563
Name: IMPERIAL OIL CO.,INC.
Address: ORCHAR
D PLACE
Box: 279
City: MORGANVILLE NJ 07751
Info Phone Number: 201-591-9400 - RICHARD ROBINSON
Emergency Phone Number: 908-591-9400/FAX -8825
Preparer's Name: PAUL LEWICKI
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
Cage: 1DL1
0
Name: NAUGHTON ENERGY CORP
Address: RT 940
Box: 709
City: POCONO PINES PA 18350-0709
Phone: 570-646-0422

=====
Item Description Information
=====

Item Name: LUBRICATING OIL,STEAM TURBINE
Specification Number: MIL-L-17331
Type/Grade/Class: TYPE II
Unit of Issue: GL
UI Container Qty: X
Type of Container: UNKNOWN

=====
Ingredients
=====

=====
Name: *** PROPRIETARY ***

=====

Health Hazards Data
=====

LD50 LC50 Mixture: PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED

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 & DERMAL TOXICITY. INHALATION OF MIST MAY CAUSE PULMONARY PROBLEMS. IF NOT TREATED, MAY CAUSE PULMONARY INJURY.

Explanation Of Carcinogenicity: NO DATA AVAILABLE

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

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

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

=====
Handling and Disposal
=====

Spill Release

Procedures: CONTAIN SPILL W/SAND, EARTH, CLAY, ETC. OR OTHER DIKING MATERIAL. RECOVER FREE LIQUID BY PUMPING INTO DRUMS OR OTHER SUITABLE CONTAINERS. CLEAN AREA W/RAGS OR OTHER ABSORBENT MATERIAL.

Neutralizing Agent: MFR GAVE NO INFORMATION OF MSDS.

Waste Disposal Methods: INCINERATE IN APPROVED EQUIPMENT OR LANDFILL CONTAMINATED DIKING MATERIAL I/A/W CURRENT LOCAL, STATE & FEDERAL REGULATIONS. THIS APPLIES TO UNRECOVERABLE LIQUID AS WELL.

Handling And Storage Precautions: THESE LUBR

ICANTS BECOME VERY VISCOUS WHEN
STORED AT LOW TEM. THEY CONGEAL AT TEMP -12 TP 32C.

Other Precautions: USE PRODUCT W/CAUTION AROUND OPEN FLAMES, HEAT, SPARKS,
PILOT LIGHTS & STATIC ELECTRICITY.

=====
Fire and Explosion Hazard Information
=====

Flash Point Method: COC

Flash Point Text: 440F,227C

Lower Limits: UNKNOWN

Upper Limits: UNKNOWN

Extinguishing Media: CARBON DIOXIDE, WATER FOG, FOA
M, OR DRY CHEMICAL.

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

Unusual Fire/Explosion Hazard: NONE.

=====
Control Measures
=====

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

Ventilation: N/A.

Protective Gloves: IMPERVIOUS NEOPRENE,
RUBBER OR PLASTIC

Eye Protection: SPLASH GOGGLES

Other Protective Equipment: EYEWASH FACILITY.

Work Hygienic Practices: MINIMIZE BREATHING VAPOR, MIST OR FUMES. REMOVE
CONTAMINATED CLOTHING & LAUNDRER OR DRY CLEAN BEFORE RE-USE.

Supplemental Safety and Health: OIL SOAKED SHOULD BE DISCARDED. "EMPTY"
CONTAINERS RETAIN RESIDUE & CAN IGNITE EXPLOSIVELY. DO NOT CUT, DRILL, OR
WELD ON OR NEAR FULL OR EMPTY CONTAINERS.

=====
Physical/Chemical Properties
=====

HCC: V6

NRC/State LIC No: NONE

B.P. Text: 600F,316C

M.P/F.P Text: 0F,-18C

Decomp Text: UNKNOWN

Vapor Pres: 1 MM HG

Vapor Density: 1

Spec Gravity: 1

Viscosity: UNKNOWN

Evaporation Rate & Reference: 1 (N-BUTYL ACETATE=1)

Solubility in Water: 0

Appearance and Odor: DARK AMBER - NO ODOR.

Corrosion Rate: UNKNOWN

=====
Reactivity Data
=====

=====

Stability Indicator: YES

Stability Condition To Avoid: KEEP AWAY FROM EXTREME HEAT & OPEN FLAME

Materials To Avoid: KEEP AWAY FROM STRONG ACIDS, ALKALIES, OXIDIZERS

Hazardous Decomposition Products: WHEN BURNING NITRIC ACID, CARBON MONOXIDE,
CARBON DIOXIDE, DENSE CARBONACEOUS SMOKE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: N/A. WILL NOT OCCUR.

=====

Toxicological Information

=====
=====

Ecological Information

=====
=====

MSDS Transport Information

=====
=====

Regulatory Information

=====
=====

Other Information

=====
=====

Transportation Information

=====

Responsible Party Code: 58563

Trans ID NO: 130229

Product ID: IMP-EP-TURBIN OIL, MIL-L-17331, 2190 TEP, QUAL #L-17331-3

MSDS Prepared Date: 06/20/1996

Review Date: 03/26/1997

MFN: 2

Tech Entry NOS Shipping Nm: NONE

Net Unit Weight: 8.3 LBS

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: GL

Container QTY: X

Type Of Container: UNKNOWN

Additional Data: NONE

=====

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 Shipping Name: NOT REGULAT

ED 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: IMP-EP-TURBIN OIL, MIL-L-17331, 2190 TEP, QUAL #L-17331-3

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/FAX -8825

Label Required IND: Y

Date Of Label Review: 03/26/1997

Status Code: C

MFG Label NO: NONE

Label Date: 03/26/1997

Year Procured: 1997

Origination Cod

e: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: Slight

Reactivity Hazard: None

Hazard And Precautions: 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 & DE RMAL TOXICITY. INHALATION OF MIST MAY CAUSE PULMONARY PROBLEMS. IF NOT TREATED, MAY CAUSE PULMONARY

INJURY. THESE LUBRICANTS BECOME VERY VISCOUS
WHEN STORED AT LOW TEM. THEY CONGEAL AT TEMP -12 TP 32C .

=====
Disclaimer (provided with this 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.