

IMPERIAL OIL CO.,INC. -- MIL-PRF-2104G,OE 30,QUAL.MC 3797

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MSDS Safety Information
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FSC: 9150
NIIN: 00-188-9858
MSDS Date: 09/23/1999
MSDS Num: CKGQK
Product ID: MIL-PRF-2104G,OE 30,QUAL.MC 3797
MFN: 01
Responsible Party
Cage: 58563
Name: IMPERIAL OIL CO.,INC.
Address: ORCHARD PLACE
Box: 279
City: MOR
GANVILLE NJ 07751
Info Phone Number: 732-591-9400/FAX -8825
Emergency Phone Number: 732-591-9400

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Item Description Information
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Item Manager: S9G
Item Name: LUBRICATING OIL,ENGINE
Specification Number: MIL-L-2104F
Type/Grade/Class: GRADE 30
Unit of Issue: CN
Quantitative Expression: 00000000005GL
UI Container Qty: 1
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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LD50 LC50 Mixture: NOT PROVIDED
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: ACUTE AND CHRONIC - WHILE THIS PRODUCT MAY IRRITATE THE
SKIN FROM PROLONGED SKIN CONTACT THERE IS NO MEDICAL OR TOXICOLOGICAL
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EVIDENCE THAT IT IS AN IRRITANT, A CORROSIVE OR A CARCINOGEN. IT HAS A LOW ORDER OR ORAL & DERMAL TOXICITY. INHALATION OF PRODUCT MIST MAY CAUSE PULMONARY PROBLEMS WHICH, AS WITH ANY OTHER ILLNESS, IF LEFT UNATTENDED, COULD CAUSE PULMONARY INJURY.

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

Signs And Symptoms Of Overexposure: FROM HUMAN EXP. & THE AVAILABLE

TECHNICAL DATA CONCERNING THIS PRODUCT AND DUE TO ITS LOW ORDER OF DERMAL, ORAL & INGESTIVE TOXICITY, THE SIGNS & SYMPTOMS OF OVER EXPOSURE 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 WATERL

ESS SOAP FOLLOWED BY THO ROUGH WASHING WITH SOAP & WATER.

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Handling and Disposal

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Spill Release Procedures: DIKE A& CONTAIN SPILL WITH INERT MATERIAL (SAND, EARTH, FULLERS EARTH, ETC). TRANSFER LIQUID TO DRUMS OR OTHER CONTAINERS FOR RECOVERY OR DISPOSAL. AREA MAY BE SLIPPERY-CARE SHOULD BE TAKEN TO AVOID F ALLS. PREVENT MATERIAL FROM GETTING INTO SEWERS & OPEN BODIES OF WATER.

Neutralizing Agent: NOT RELEVANT

Waste Disposal Methods: DISPOSE OF CONTAMINATED DIKING MATERIAL ACCORDING TO CURRENT LOCAL, STATE & FEDERAL REGULATIONS.

Handling And Storage Precautions: THESE LUBRICANTS BECOME VERY VISCOUS WHEN STORED AT LOW TEMPERATURE. THEY CONGEAL AT TEMPERARURES FROM -12 TO -32C.

Other Precautions: USE PRODUCT WITH CAUTION AROUND OPEN FLAME, 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: =232.2C, 450.F

Extinguishing Media: CO2, WATER FOG, DRY CHEMICAL, FOAM

Fire Fighting Procedures: USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL. USE MSHA/NIOSH APPROVED BREATHING APPARATUS.

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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: EYE WASH 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: P/N: MIL-PRF-2104G GRADE 30. SINCE THE
COMPOSITION OF THE ADDITIVE IS PROPRIETARY TO LUBRIZOL CORP
, ANY FURTHER

INFORMATION YOU MAY REQUIRE WILL HAVE TO BE OBTAINED FROM THEM.

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Physical/Chemical Properties
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HCC: V6

NRC/State LIC No: NOT RELEVANT

Boiling Point: =315.6C, 600.F

Melt/Freeze Pt: =0.C, 32.F

Decomp Text: NOT PROVIDED

Vapor Pres: 1MM

Vapor Density: <1

Spec Gravity: <1

PH: NOT RELEVANT

Viscosity: NOT PROVIDED

Solubility in Water: 0

Appearance and Odor: DARK AMBER-NO

ODOR

Corrosion Rate: NOT PROVIDED

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Reactivity Data
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Stability Indicator: YES

Materials To Avoid: CONTACT WITH STRONG OXIDIZERS.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, DENSE BLACK
FUMES, SULFUR AND NITROGEN COMPOUNDS.

Hazardous Polymerization Indicator: NO

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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 CONTAINER WARNING: "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 IGNITION: THEY MAY EXPLODE AND CAUSE INJURY. DO NOT ATTEMPT TO CLEAN, SINCE THE RESIDUE IS DIFFICULT TO REMOVE. "EMPTY" DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED & PROMPTLY RETURNED 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.

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Transportation Information
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Responsible Party Cage: 58563
Trans ID NO: 152350
Product ID: MIL-PRF-2104G,OE 30,QUAL.MC 3797
MSDS Prepared Date: 09/23/1999
Review Date: 04/09/2000
MFN:
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Multiple KIT Number: 0
Unit Of Issue: CN
Container QTY: 1
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 REGULAT

ED 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-2104G,OE 30,QUAL.MC 3797

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: 04/09/2000

Status Code: A

MFG Label NO: NOT PROVIDED

Year Procured: 2000

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: NO

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: NOT PROVIDED. FIRST AID: IF SWALLOWED,
DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY. IF SPLASHED INTO THE
EYES, PURGE WITH PLENTY OF WATER. IN CASE OF SKIN CONTACT, CLEANSE WITH
WATERLESS SOAP FOLLWED BY THOROUGHLY WASHING WITH SOAP AND
WATER.---SPILL--DIKE AND CONTAIN SPILL WITH

INERT ABORBENT MATERIAL SUCH AS SAND, EARTH, FULLER EARTH, ETC.. TRANSFER LIQUID TO DRUMS OR OTHER CONTAINERS FOR RECOVERY OR DISPOSAL. AREA MAY BE SLIPPERY. PREVENT MATERIAL FROM GETTING INTO SEWERS AND OPEN BODIES OF WATER. DISPOSE OF CONTAMINATED DIKING MATERIAL ACCORDING TO CURRENT LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.

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