

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: 00-189-6729  
MSDS Date: 09/23/1999  
MSDS Num: CKGQL  
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  
Preparer's Name: NOT PROVIDED  
Proprietary Ind: Y  
Review Ind: Y  
Published: Y

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Contractor Summary  
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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

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Item Description Information  
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Item Manager: S9G  
Item Name: LUBRICATING OIL,ENGINE  
Unit of Issue: DR  
Quantitative Expression: 00000000055GL  
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 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 CONT ACT 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 THO ROUGH WASHING WITH SOAP & WATER.

## Handling and Disposal

### Spill Release P

rocedures: 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 LU

BRICANTS 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.

## Fire and Explosion Hazard Information

Flash Point Method: COC

Flash Point: =232.2C, 450.F

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

Fire Fighting P

rocedures: 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 Practice

s: 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: 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 LI

C 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: &lt;1

Spec Gravity: &lt;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.

Haz

ardous 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 Code: 58563  
Trans ID NO: 152351  
Product ID: MIL-PRF-2104G,OE 30,QUAL.MC 3797  
MSDS Prepared Date: 09/23/1999  
Review Date: 04/09/2000  
MFN: 1  
Multiple KIT Number: 0  
Unit Of Issue: DR  
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 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 MO  
DE 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: 27

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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

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 VOMI

TING. 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 OTH ER CONTAINERS FOR RECOVERY OR DISPOSAL. AREA MAY BE SLIPPERY. PREVENT MATERIAL FROM GETTING INTO SEWERS AND OPEN BODIES OF WATER. DISPOSE OF CONTAMINATED DI

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