

IMPERIAL OIL CO.,INC. -- MIL-PRF-2104G, OE 40, MC 3798 -- 9150-00-188-9862

===== Product Identification =====

Product ID:MIL-PRF-2104G, OE 40, MC 3798

MSDS Date:09/23/1999

FSC:9150

NIIN:00-188-9862

Status Code:A

MSDS Number: CKGLX

=== Responsible Party ===

Company Name:IMPERIAL OIL CO.,INC.

Address:ORCHARD PLACE

Box:279

City:MORGANVILLE

State:NJ

ZIP:07751

Country:US

Info Phone Num:732-591-9400/FA

X -8825

Emergency Phone Num:732-591-9400

Preparer's Name:PAUL LEWICKI

CAGE:58563

=== Contractor Identification ===

Company Name:IMPERIAL OIL CO INC

Address:FOOT OF ORCHARD PL

Box:279

City:MORGANVILLE

State:NJ

ZIP:07751

Country:US

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

Contract Num:SP0450-00-M-C200

CAGE:58563

===== Composition/Information on Ingredients =====

Ingred Name:LUBE OIL BASE STOCK (DISTILLATES (PETROLEUM),
SOLVENT-REFINED HEAVY PARAFFINIC)

CAS:64741-88-4

RTECS #:PY

8040500

Minumum % Wt:88.

Maxumum % Wt:92.

Ingred Name:PROPRIETARY ADDITIVES (PROPRIETARY TO ETHYL PETROLEUM
ADDITIVES CO)

Minumum % Wt:8.

Maxumum % Wt:12.

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===== Hazards Identification =====

LD50 LC50 Mixture:NOT PROVIDED

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:PRODUCT MAY IRRITATE SKIN FROM
PROLONGED CONTACT. THERE IS NO MEDICAL OR TOXIOLOGICAL EVIDENCE THAT
IT IS AN IRRITANT, A CORROSIVE OR A CARCINOGE

N. IT HAS A LOW ORDER

OF ORAL & DERMAL TOXICITY. INHALAT ION OF PRODUCT MIST MAY CAUSE
PULMONARY PROBLEMS WHICH, AS WITH ANY ILLNESS, IF LEFT UNATTENDED,
COULD CAUSE PULMONARY INJURY.

Explanation of Carcinogenicity:NO AVAILABLE DATA

Effects of Overexposure:FROM HUMAN EXPERIENCE & THE AVAILABLE TECHNICAL
DATA CONCERNING THIS PRODUCT & DUE TO ITS LOW ORDER OF DERMAL, ORAL
& INGESTIVE TOXICITY, THE SIGNS & SYMPTOMS OF OVEREXPOSURE ARE
UNKNOWN.

Medical Cond Aggravated by Expo

sure:DIRECT CONTACT WITH THE EYES MAY

CAUSE EYE IRRITATION; PROLONGED SKIN CONTACT MAY CAUSE SKIN
IRRITATION

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===== First Aid Measures =====

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 THORO UGH WASHING WITH SOAP & WATER.

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===== Fire Fighting Measures =====

Flash Point Method:COC

Flash Point:=230.C, 446.F

Autoignition Temp:Autoignition Temp Text:UNKNOW

Lower Limits:NOT PROVIDED

Upper Limits:NOT PROVIDED

Extinguishing Media:CARBON DIOXIDE, WATER FOG, FOAM OR DRY CHEMICAL

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

Unusual Fire/Explosion Hazard:NONE

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===== Accidental Release Measures =====

Spill Re

Release Procedures: DIKE & 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 FALLS. PREVENT MATERIAL FROM GETTING INTO SEWERS & OPEN BODIES OF WATER.

Neutralizing Agent: NOT PROVIDED

===== Handling and Storage =====

Handling and Storage Precautions: LUBRICANTS CAN BECOME VERY VISCOUS WHEN STORED AT LOW TEMPERATURE. THEY CONGEAL AT TEMPERATURES FROM -12C TO -32C.

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

===== Exposure Controls/Personal Protection =====

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

Ventilation: NOT REQUIRED

Protective Gloves: IMPERVIOUS

Eye Protection: SPLASH GOGGLES

Other Protective Equipment: EYEWASH FACILITY

Work Hygienic Practices:

MINIMIZE BREATHING VAPOR, MIST OR FUMES. REMOVE CONTAMINATED CLOTHING & LAUNDRY OR DRY CLEAN BEFORE RE-USE. OIL SOAKED SHOES SHOULD BE DISCARDED.

Supplemental Safety and Health

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

HCC: V6

Boiling Pt: 315.6C, 600.F

Vapor Pres: 1 MM HG

Vapor Density: 1

Spec Gravity: < 1

Evaporation Rate & Reference: