

IMPERIAL OIL CO.,INC. -- IMP-9000GB; MIL-L-9000 H, 9250, QUAL.# ARA-9000-23 -- 9150-00-181-8097

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

Product ID:IMP-9000GB; MIL-L-9000 H, 9250, QUAL.# ARA-9000-23

MSDS Date:05/15/2000

FSC:9150

NIIN:00-181-8097

Status Code:A

MSDS Number: CKYWZ

=== Responsible Party ===

Company Name:IMPERIAL OIL CO.,INC.

Address:ORCHARD PLACE

Box:279

City:MORGANVILLE

State:NJ

ZIP:077

51

Country:US

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

Emergency Phone Num:732-591-9400

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-D-4008

CAGE:58563

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:SP0450-01-D-

0187  
CAGE:58563

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Composition/Information on Ingredients  
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Ingred Name:LUBE OIL BASESTOCK  
CAS:64741-88-4  
RTECS #:PY8040500  
Minumum % Wt:85.  
Maxumum % Wt:89.

Ingred Name:CHEVRON OLOA 2805A ADDITIVE  
Minumum % Wt:11.  
Maxumum % Wt:15.

Ingred Name:INFENIUM V-385  
Minumum % Wt:0.  
Maxumum % Wt:.5

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

Routes of Entry: Inhalation:YES Skin:YES Ingesti  
on:YES

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

Health Hazards Acute and Chronic:WHILE THIS PRODUCT MAY IRRITATE THE  
SKIN FROM PROLONGED CONTACT, THERE IS NO MEDICAL OR TOXICOLOGICAL  
EVIDENCE THAT IT IS AN IRRITANT, CORROSIVE OR CARCINOGEN. IT HAS A  
LOW ORDER OF ORAL AND DERMAL TOXICITY. INHALATION OF PRODUCT MIST  
MAY CAUSE PULMONARY PROBLEMS WHICH, IF NOT TREATED, MAY CAUSE  
PULMONARY INJURY.

Explanation of Carcinogenicity:THERE IS NO MEDICAL OR TOXICOLOGICAL

EVIDENCE THAT THE PRODUCT IS A CARCINOGEN.

Effects 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, THE SIGNS AND 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.

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First Aid Measures  
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Fir

st Aid:IF SWALLOWED, DO NOT INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY. IF SPLASHED INTO THE EYES, PURGE WITH COPIOUS AMOUNT OF WATER. IN CASE OF SKIN CONTACT, CLEANSE WITH WATERLESS SOAP FOLLOWED BY THOROUGH WASHING WITH SOAP AND WATER.

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

Flash Point:232.C, 449.6F

Autoignition Temp:Autoignition Temp Text:NP

Lower Limits:N/A.

Upper Limits:N/A.

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

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Fire Fighting Procedures:WEAR MESA/NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. USE WATER SPRAY TO COOL EXPOSED TANKS, DRUMS AND PERSONNEL.

Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:DIKE AND CONTAIN SPILL WITH INERT MATERIAL (SAND, EARTH, FULLERS EARTH, ETC.). RECOVER OR DISPOSE OF DIKED LIQUID. PREVENT MATERIAL FROM GETTING INTO SEWER AND OPEN BODIES OF WATER. AREA MAY BE SLIPPERY

- PREVENT FALLS.

Neutralizing Agent:NO DATA PROVIDED BY MANUFACTURER.

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

Handling and Storage Precautions:THESE LUBRICANTS BECOME VERY VISCOUS WHEN STORED AT LOW TEMPERATURES. THEY CONGEAL AT -12 TO -32C. USE PRODUCT WITH CAUTION AROUND OPEN FLAMES, HEAT, SPARKS, PILOT LIGHTS, AND STATIC ELECTRICITY.

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

Respiratory Protection:USE SUPPLIED-AIR RESPIRATORY PROTECTION IN

CONFINED OR ENCLOSED SPACES IF NEEDED.

Ventilation:USE LOCAL EXHAUST TO CAPTURE VAPOR, MIST OR FUMES. PROVIDE VENTILATION SUFFICIENT TO PREVENT EXCEEDING RECOMMENDED LIMITS.

Protective Gloves:CHEMICAL-RESISTANT, IMPERVIOUS.

Eye Protection:SPLASH GOGGLES

Other Protective Equipment:EYEWASH FACILITY.

Work Hygienic Practices:MINIMIZE BREATHING VAPOR, MIST, OR FUMES.

REMOVE CONTAMINATED CLOTHING AND LAUNDRY OR DRY CLEAN BEFORE RE-USE. OIL SOAKED SHOES SHOULD BE DISCAR

DED.

Supplemental Safety and Health

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. DO NOT ATTEMPT TO CLEAN, SINCE THE RESIDUE IS DIFFICULT TO REMOVE.

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

HCC:V6

Boiling Pt:=315.6C, 600.F

B.P. Text:IBP

Melt/Freeze Pt:=-17.6C

, 0.F

Vapor Pres:1 MM

Vapor Density:1

Spec Gravity:1 (WATER=1)

Viscosity:NP

Evaporation Rate & Reference: