

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:04/10/1999

FSC:9150

NIIN:00-181-8097

Status Code:A

MSDS Number: CJVPR

=== 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

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-D-4008

CAGE:58563

Company Name:NAUGHTON ENERGY CORP

Address:RT 940

Box:709

City:POCONO PINES

State:PA

ZIP:18350-0709

Country:US

Phone:570-646-0422

CAGE:1DL10

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

Ingred Name:LUBE OIL BASESTOCK

CAS:64741-88-4

RTECS #:PY8040500

Minumum % Wt:85.

Maxumum % Wt:88.

Ingred Name:LUBRIZOL 1192 (ADDITIVE)

Minumum % Wt:12.

Maxumum % Wt:15.

==== Hazards Identification =====

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and C

hronic: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 & DERMAL TOXI CITY. INHALATION OF PRODUCT MIST MAY CAUSE PULMONARY PROBLEMS WHICH, IF NOT TREATED, MAY CAUSE PULMONARY INJURY. EYES: MINIMALLY IRRITATING. SKIN: MILDLY IRRITATING. INHALATION: VAPORS, GENERATED AT HIGH TEMPERATURES ONLY, OR OIL MIST FROM THIS PRODUCT MAY CAUSE

MILD IRRITATION TO

RESPIRATORY TRACT. CHRONIC: PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DERMATITIS, OR OIL ACNE OR FOLLICULITIS.

Explanation of Carcinogenicity:THERE IS NOT EVIDENCE THAT IT IS A CARCINOGEN.

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 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.

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

First 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 & 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.

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

Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:DIKE & CONTAIN SPILL WITH INERT MATERIAL

(S

AND, EARTH, FULLERS EARTH, ETC.). RECOVER OR DISPOSE OF DIKED LIQUID. PREVENT MATERIAL FROM GETTING INTO SEWER & OPEN BODIES OF WATER. AREA MAY BE SLIPPERY - PREVENT FALLS.

Neutralizing Agent:MFR GAVE NO INFORMATION OF MSDS.

===== 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 W/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.

Protective Gloves: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 DISCARDED.

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

NRC/State Lic Num:NONE

Boiling Pt:=315.6C, 600.F

Melt/Freeze

Pt:=-17.6C, 0.F

Vapor Pres:1 MM

Vapor Density:1

Spec Gravity:1 (WATER=1)

Viscosity:NP

Evaporation Rate & Reference: