

IMPERIAL OIL CO.,INC. -- IMP-9000G3 -- 9150-00-181-8229

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

Product ID:IMP-9000G3  
MSDS Date:05/15/2000  
FSC:9150  
NIIN:00-181-8229  
Status Code:A  
MSDS Number: CKYJH  
=== 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/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:SP0450-01-M-C810  
CAGE:58563

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

Ingred Name:LUBE OIL BASE STOCK  
CAS:64741-88-4  
RTECS #:PY8040500  
Minumum % Wt:85.  
Maxumum % Wt:88.

Ingred Name:LUBRIZOL 1192 ADDITIVES  
Minumum % Wt:12.  
Maxumum % Wt:15.

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==== Hazards Identification =====

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

Health Hazards Acute and Chronic:TARGET ORGANS: SKIN, RESPIRATORY TRACT. WHILE THIS PRODUCT MAY IRRITATE THE SKIN FROM PROLONGED SKIN CONTACT THERE IS NO MEDICAL OR TOXICOLOGICAL EVIDENCE THAT IT IS NEITHER AN "IRRITANT", "CORROSIVE " NOR A " CARCINOGEN". IT HAS A LOW ORDER OF ORAL AND DERMAL TOXICITY. INHALATION OF PRODUCT MIST MAY CAUSE PULMONARY PROBLEMS WHICH, AS WITH ANY ILLNESS, IF LEFT UNATTENDED, COULD CAUSE PULMONARY INJURY.

Effects of Overexposure:FROM HUMAN EXP. AND THE AVAILABLE TECHNICAL DATA CONCERNING THIS PRODUCT AND DUE TO ITS LOW ORDER OF DERMAL, ORAL AND INGESTIVE TOXICITY, 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 =====

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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 THOROUGH WASHING WITH SOAP AND WATER.

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

Flash Point:232.2C, 450.F

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

Fire Fighting Procedures:WEAR MESA/NIOSH APPROVED SELF CONTAINED

BREATHING APPARATUS AND EYE PROTECTION. (SCHEDULE 13) USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS AND TO PROTECT PERSONNEL.

==== 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 SEWERS AND OPEN BODIES OF WATER. AREA MAY BE SLIPPERY-PREVENT FALLS.

==== 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.

Other Precautions:EMPTY CONTAINER WARNING-"EMPTY" CONTAINERS RETAIN RESIDUE (LIQUID &/OR VAPOR) & CAN BE DANGEROUS. DO NOT PRESURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLA

ME, SPA RKS OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE & CAUSE INJURY.

===== 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, MISTS OR FUMES, IF NECESSARY. SEE SUPPLEMENTAL SAFETY & HEALTH.

Protective Gloves:USE CHEMICAL-RESISTANT GLOVES, IF NEEDED

Eye Protection:USE SPLASH GOGGLES OR FACE SHIELD WHEN EYE CONTACT MAY OCCUR.

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. NO SMOKING, OR USE OF FLAME OR OTHER IGNITION SOURCES.

Supplemental Safety and Health

PROVIDE VENTILATION SFFICIENT TO PREVENT EXCEEDING RECOMMENDED EXPOSURE LIMIT OR BUILDUP OF EXPLOSIVE CONCENTRATIONS OF VAPOR IN AIR. NO SMOKING, OR USE OF FLAME OR OTHER IGNITION SOURCES.

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

HCC:N1

Boiling Pt:=315.6C, 600.F

B.P. Text:IBP

Melt/Freeze Pt:M.P/F.P Text:0

Vapor Pres:1 MM

Vapor Density:1

Spec Gravity:1

Evaporation Rate & Reference: