

IMPERIAL OIL CO INC -- IMP-L-10WT -- 9150-00-189-6727

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

Product ID:IMP-L-10WT  
MSDS Date:05/03/2000  
FSC:9150  
NIIN:00-189-6727  
Status Code:A  
MSDS Number: CLPJQ  
=== Responsible Party ===  
Company Name:IMPERIAL OIL CO INC  
Address:FOOT OF ORCHARD PL  
Box:279  
City:MORGANVILLE  
State:NJ  
ZIP:07751  
Country:US  
Info Phone Num:732-591-9400/FAX: 732-591-8825  
Emergency Phone Num:(7  
32)591-9400  
CAGE:58563

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT  
Address:2275 TUCKER INDUSTRIAL RD  
Box:City:TUCKER  
State:GA  
ZIP:30084  
Country:US  
Phone:770-938-4513/FAX 770-938-3966  
Contract Num:SP0450-01-M-LN97  
CAGE:1MDA6  
Company Name:IMPERIAL OIL CO INC  
Address:FOOT OF ORCHARD PL  
Box:279  
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Country:US  
Phone:732-591-9400/FAX: 732-591-8825  
CAGE:58563

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

In

gred Name:LUBE OIL BASE STOCK

CAS:64741-88-4

RTECS #:PY8040500

Minumum % Wt:88.

Maxumum % Wt:92.

Ingred Name:PROPRIETARY ADDITIVES

Minumum % Wt:8.

Maxumum % Wt:12.

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

Health Hazards Acute and Chronic: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", OR A "CARCINOGEN". IT HAS A LOW ORDER OF ORAL AND DE

RMAL TOXICITY. INHALATION OF PRODUCT MIST MAY CAUSE PULMONARY PROBLEMS WHICH, AS WITH ANY ILLNESS, IF LEFT UNATTENDED, COULD CAUSE PULMONARY INJURY.

Explanation of Carcinogenicity:BASED ON AVAILABLE DATA AND TECHNOLOGY, THE LUBRICANT DESCRIBED HEREIN IS NOT CONSIDERED TO BE TOXIC OR CARCINOGENIC TO HUMANS. THERE IS NO MEDICAL OR TOXICOLOGICAL EVIDENCE THAT THIS PRODUCT IS A CA RCINOGEN.

Effects of Overexposure:FOR HUMANS EXPERIENCE AND THE AVAILABLE TECHNICAL DATA CONCER

NING THIS PRODUCT AND DUE TO IT'S 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 =====

First Aid:IF SWALLOWED, DO NOT INDUCE VOMITING, CALL A PHYSCIAN 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 AND WATER.

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

Flash Point Method:COC

Flash Point:=220.C, 428.F

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

Fire Fighting Procedures:WEAR MESA/NOISH APPROVED SELF CONTAINED BREATHING APPARATUS AND EYE PROTECTION. (SCHEDULE 13 ) USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS AND TO PROTECT PER

SONNEL.

Unusual Fire/Explosion Hazard:FUMES, SMOKE, OXIDES OF SULFUR, OXIDES OF NITROGEN AND CARBON MONOXIDE.

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

Spill Release Procedures:DIKE AND CONTAIN SPILL WITH INERT MATERIAL (SAND, EARTH, FULLERS EARTH, ETC.). TRANSFER LIQUID AND CONTAMINATED DIKING MATERIALS TO SEPARATE CONTAINERS FOR RECOVERY OR DISPOSAL. AREA MAY BE SLIPPERY; CARE SHOULD BE TAKEN TO AVOID FALLS, PREVENT MATERIAL FROM GETTING INTO SEWERS AND OPEN BODIES OF WATER.

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

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

Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE, LIQUID AND VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER

,  
DRILL, GRIND, OR EXPOSE TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION. DO NOT ATTEMPT TO CLEAN, SINCE CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE (CONTD. SEE "WASTE DISPOSAL")

===== 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, IF NECESSARY. PROVIDE VENTILATION SUFFICIENT TO PREVENT EXCEEDING

RECOMMENDED (CONTD. SEE SUPPLEMENTAL)

Protective Gloves:USE CHEMICAL-RESISTANT GLOVES, TO AVOID PROLONGED OR REPEATED SKIN CONTACT.

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

Other Protective Equipment:PROVIDE EYEWASH FACILITY.

Work Hygienic Practices:MINIMIZE BREATHING VAPOR MIST OR FUMES. REMOVE CONTAMINATED CLOTHING AND LAUNDER OR DRY CLEAN BEFORE RE-USE. OIL SOAKED SHOES SHOULD BE DISCARDED.

Supplemental Sa

fety and Health

(CONTD. FROM "VENTILATION") EXPOSURELIMIT OR BUILDUP OF EXPLOSIVE  
CONCENTRATIONS OF VAPOR IN AIR. NO SMOKING, OR USE OF FLAME OR  
OTHER IGNITION SOURCES.

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

HCC:V6

Boiling Pt:=315.6C, 600.F

B.P. Text:INITIAL BOILING POINT

Vapor Pres:1 MM HG

Vapor Density:1 (AIR=1)

Spec Gravity:< 1 (H2O=1)

Evaporation Rate & Reference: