

IMPERIAL OIL CO.,INC. -- MIL-H-17672 D & AM 3,2075 TH QUAL 634-D 346 -- 9150-00-985-7232  
===== Product Identification =====

Product ID:MIL-H-17672 D & AM 3,2075 TH QUAL 634-D 346

MSDS Date:09/12/1996

FSC:9150

NIIN:00-985-7232

MSDS Number: BSHVF

=== Responsible Party ===

Company Name:IMPERIAL OIL CO.,INC.

Address:ORCHARD PLACE

Box:279

City:MORGANVILLE

State:NJ

ZIP:07751

Country:US

Info Phone Num:2

01-591-9400

Emergency Phone Num:908-591-9400

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

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

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

Ingred Name:MINERAL OIL, SOLVENT REV

FINED HEAVY PARAFFINIC, SEVERELY  
HYDROTREATED/LUBE OIL BASE STOCK

CAS:64741-88-4

RTECS #:PY8040501

Fraction by Wt: 95 - 99%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:PROPRIETARY ADDITIVES (LUBRIZOL CORP)

Fraction by Wt: 1 - 5%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:TLV FOR OIL MIST IS 5 MG/M3.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY  
& GI TRACTS. ACUTE- EYE:MAY CAUSE SLIGHT IRRITATION.

SKIN:PROLONGED/REPEATED CONTACT MAY CAUSE IRRITATION. INHALE:MISTS  
MAY CAUSE IRRITATION OF UPPER RESPIRATORY TRACT. INGESTION:LOW  
ORDER OF ORAL TOXICITY. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, NAUSEA

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EX  
ISTING SKIN

DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE  
MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH  
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15  
MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. ORAL:DO  
NOT INDUCE VOMITING. IF CONSCIOUS, RINSE MOUTH WITH WATER. SEEK  
IMMEDIATE MED

ICAL ATTENTION. IF SPONTANEOUS VOMITING OCCURS, KEEP  
HEAD BELOW HIPS.

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

Flash Point Method:COC

Flash Point:410F,210C

Extinguishing Media:WATER FOG, CARBON DIOXIDE, SAND, FOAM/DRY CHEMICAL.  
WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.

Fire Fighting Procedures:AS WITH ANY FIRE, WEAR PROTECTIVE CLOTHING AND  
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS TO AVOID  
INHALATION OF HAZARDOUS DECOMPOST

ION PRODUCTS OR SMOKE  
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:RECOVER FREE LIQUID IF POSSIBLE. PICK UP SPILL WITH INERT MATERIAL SUCH AS SAND, CLAY, EARTH. SHOVEL INTO CONTAINERS FOR DISPOSAL. PREVENT RUN-OFF TO ENTER WATERWAYS, SEWERS. AREA MAY BE SLIPPERY. CARE SHOULD BE TAKEN TO AVOID FALL.  
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE AWAY FROM STRONG OXIDIZERS. KEEP OUT OF REACH OF CHILDREN. KEEP CONTAINER CLOSED. THESE OILS WILL STOP POURING AT -18 TO -30C (-0.4 TO -22F).  
Other Precautions:AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING. LAUNDRER CLOTHING BEFORE REUSE. AVOID INHALING MISTS. DO NOT TAKE INTERNALLY. USE PRODUCT WITH CAUTION AROUND OPEN FLAMES, HEAT, SPARKS , PILOT LIGHTS AND STATIC ELECTRICITY.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF WORKING IN CONFINED AREAS, IF EXCESSIVE MISTING IS EXPECTED OR IF EXPOSURE MAY OR DOES EXCEED RECOMMENDED PERMISSIBLE EXPOSURE LIMITS (PEL), WEAR NIOSH-APPROVED SUPPLIED-AIR RESPIRATOR.  
Ventilation:ADEQUATE  
Protective Gloves:NITRILES, RUBBER, PVC  
Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES  
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.  
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH BEFORE EATING OR DRINKING.  
Supplemental Safety and Health  
FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A, SAME NSN.

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

HCC:V6  
NRC/State Lic Num:NOT RELEVANT  
Boiling Pt:B.P. Text:600F,316C  
Melt/Freeze Pt:M.P/F.P Text:0F,-18C  
Vapor Pres:1 @ 68F  
Spec Gravity:0.876  
Evaporation Rate & Reference: