

IMPERIAL OIL CO.,INC. -- OE 30 QUAL MC 3650 MIL-L-2104E & AM 1 -- 9150-00-189-6729

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

Product ID:OE 30 QUAL MC 3650 MIL-L-2104E & AM 1

MSDS Date:06/05/1992

FSC:9150

NIIN:00-189-6729

MSDS Number: BDHSK

=== Responsible Party ===

Company Name:IMPERIAL OIL CO.,INC.

Address:ORCHARD PLACE

Box:279

City:MORGANVILLE

State:NJ

ZIP:07751

Country:US

Info Phone Num:201-591-9400

Emergency Phone Num:908-591-9400

CAGE:58563

=== Contractor Identi

fication ===

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

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

Ingred Name:REFINED HEAVY PARAFFINIC DISTILLATES/LUBE OIL BASE STOCK

CAS:64741-88-4

Fraction by Wt: 86 - 88%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:UNIDENTIFIED COMPONENT-PROPRIETARY ADDITIV

ES (PER  
MANUFACTURER)  
Fraction by Wt: 12 - 14%  
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:TLV IS 5 MG/M3 FOR OIL MISTS.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE- EYES:DIRECT CONTACT MAY CAUSE  
IRRITATION. SKIN:PROLONGED/REPEATED CONTACT MAY CAUSE IRRITATION.  
INHALATION:MIST MAY CAUSE PULMONARY PROBLEMS.  
INGESTION:LOW ORDER  
OF TOXICITY. MAY HAVE ASPIRATION HAZARD. CHRONIC- MAY CAUSE SKIN  
IRRITATION.  
Explanation of Carcinogenicity:NO EVIDENCE OF BEING CARCINOGEN.  
Effects of Overexposure:DIRECT EYE CONTACT MAY CAUSE IRRITATION.  
PROLONGED/REPEATED SKIN CONTACT MAY CAUSE IRRITATION. MIST MAY  
CAUSE PULMONARY PROBLEMS. ORALLY HAS LOW ORDER OF TOXICITY.  
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE  
MORE SUSCEPTIBLE TO THIS MATERIAL.

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= First Aid Measures =====

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:REMOVE  
EXCESS. WASH SKIN WITH SOAP & WATER. EYE:FLUSH WITH WATER FOR 15  
MINUTES, HOLDING EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR &  
PROVIDE OXYGEN/CPR IF NEEDED. ORAL:DO NOT INDUCE VOMITING.GET  
IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:COC  
Flash Point:440F,227C  
Extinguishing Media:USE WATER FOG, CO2  
, FOAM, OR DRY CHEMICAL. DO NOT  
USE A DIRECT STREAM OF WATER. PRODUCT MAY FLOAT & CAN BE REIGNITED.  
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND  
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION.STOP  
LEAK.DIKE THE SPILLS.USE PUMP TO TRANSFER LARGE SPILLS TO CONTAINER  
FOR DISPOSAL.REMAINING LIQUID/SMALL S

PILLS CAN BE TAKEN UP ON

SAND,CLAY,EARTH & SHOVELD INTO CONTAINERS.PREVENT RUN-OFF TO ENTER WATERWAYS.

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

Handling and Storage Precautions:STORAGE- THESE LUBRICANTS BECOME VERY VISCOUS WHEN STORED AT LOW TEMPERATURE. THEY CONGEAL AT TEMPERATURE FROM -12C TO -32C.

Other Precautions:USE PRODUCT WITH CAUTION AROUND OPEN FLAMES, HEAT, SPARKS, PILOT LIGHTS & STATIC ELECTRICITY. DO NOT GENERATE MISTS. AVOID BRE

ATHING VAPORS OR MISTS. MINIMIZE SKIN CONTACT. DO NOT GET INTO EYES. WASH THOROUGHLY BEFORE EATING AND DRINKING.

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

Respiratory Protection:USE SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED SPACES IF NEEDED.

Ventilation:GOOD GENERAL VENTILATION IS SUFFICIENT.

Protective Gloves:OIL RESISTANT-IMPERVIOUS

Eye Protection:SPLASH GOGGLES

Other Protective Equipment:EYEWASH FACILITY

Work Hygienic Practices:WASH THORO

UGHLY AFTER HANDLING. REMOVE

CONTAMINATED CLOTHING & LAUNDER BEFORE USE. OIL SOAKED SHOES SHOULD BE DISCARDED.

Supplemental Safety and Health

EMPTY CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR SOURCES OF IGNITION. THEY MAY EXPLOD E AND CAUSE INJURY. "EMPTY" DRUMS SHOULD BE COMPLETELY DRAINED AND RETURNED TO A DRUM CONDITIONER.

===== Physical/Chem  
ical Properties =====

HCC:V6

Boiling Pt:B.P. Text:600F,316C

Vapor Pres:1

Vapor Density:1

Spec Gravity: