

IMPERIAL OIL CO.,INC. -- GEAR OIL, 80W-90 -- 9150-01-035-5394

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

Product ID:GEAR OIL, 80W-90

MSDS Date:03/16/1998

FSC:9150

NIIN:01-035-5394

MSDS Number: BTTJS

=== 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

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:SP0450-99-M-B145

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

Contract Num:SP0450-98-D-4041

CAGE:1DL10

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

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ingred Name:LUBE OIL BASE STOCK/MINERAL OIL, SOLVENT REFINED HEAVY  
PARAFFINIC, SEVERELY HYDROTREATED

CAS:64741-88-4

RTECS #:PY8040501

Minumum % Wt:93.

Maxumum % Wt:96.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

ingred Name:PROPRIETARY ADDITIVES (FROM LUBRIZOL CORP.)

Minumum % Wt:4.

Maxumum % Wt:7.

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:NO I

ngestion:NO

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

Health Hazards Acute and Chronic:IF PROLONGED CONTACT WITH THIS  
MATERIAL IS REQUIRED IN A CONFINED AREA AND/OR THE MATERIAL HAS  
BEEN HEATED, A GAS MASK OR OTHER SUITABLE BREATHING APPARATUS  
SHOULD BE WORN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IN CASE OF SKIN CONTACT, WASH WITH DETERGENT  
AND HOT WATER.

Medical Cond Aggravated by Exposure:PRE-EXISTING PULMONARY AND  
RESPIRATORY CONDITIONS WIL

L BE AGGRAVATED BY INHALATION OF THE  
FUMES AND/OR MIST.

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

First Aid:IF SWALLOWED, DO NOT CAUSE VOMITING. IF PERSON IS CONSCIOUS,  
REMOVE TO FRESH AIR AND GET MEDICAL HELP. NEVER ATTEMPT TO  
ADMINISTER ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON

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

Flash Point Method:COC

Flash Point:=200.C, 392.F

Extinguishing Media:CARBON DIOXIDE, WATER FOG, FOAM OR DR

Y 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.

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

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

Spill Release Procedures:CONTAIN AND DIKE WITH INERT MATERIAL ( FULLERS EARTH, SAND, OIL ABSORBENT, ETC.) PREVENT MATERIAL FROM GETTING INTO SEWERS AND OPEN BODIES OF WATER. PUT SPILLED MATERIAL INTO DRUMS FOR SUITABLE CONTAINERS.

Neutralizing Agent:NOT PROVIDED

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

Handling and Storage Precautions:DO NOT HEAT ABOVE 140F. OPEN CONTAINERS SHOULD BE STORED IN A WELL VENTILATED AREA AND ALWAYS FROM OPEN FLAMES.

Other Precautions:CONTAMINATED CLOTHING SHOULD BE REMOVED AND LAUNDERED BEFORE RE-USE. SATURATED SHOES SHOULD BE DISCARDED.

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

Respiratory Protection:IF LONG TERM EXPOSURE TO VAPORS IS ANTICIPATED, AN APPROVED AIR RESPIRATOR SHOULD BE USED, PARTICULARLY IN A CONFINED AND/OR THE MATERIAL HAS BEEN HEATED.

Ventilation:SPECIAL: AS NOTED ABOVE.

Protective Gloves:IMPERVIOUS.

Eye Protection:SPLASH GOGGLES.

Other Protective Equipment:NOT PROVIDED

Work Hygienic Practices:NO SPECIAL HYGIENIC MEASURES ARE NECESSARY.

Supplemental Safety and Health

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

HCC:V6

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=315.6C, 600.F

Vapor Pres:1MM/ @ 68F

Vapor Density: