

MOBIL OIL CORP. NORTH AMERICA MARKETING AND REFINING -- MOBIL JET OIL II --
9150-01-477-3802

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

Product ID:MOBIL JET OIL II

MSDS Date:04/12/1999

FSC:9150

NIIN:01-477-3802

Status Code:A

MSDS Number: CKXQX

=== Responsible Party ===

Company Name:MOBIL OIL CORP. NORTH AMERICA MARKETING AND REFINING

Address:3225 GALLOWS RD.

City:FAIRFAX

State:VA

ZIP:22037

Country:US

Inf

o Phone Num:609-737-4411/800-662-4525

Emergency Phone Num:609-737-4411

Chemtrec Ind/Phone:(800)424-9300

CAGE:UO172

=== Contractor Identification ===

Company Name:MOBIL OIL CORP, NORTH AMERICAS MARKETING AND REFINING

Address:3225 GALLOWS ROAD

Box:City:FAIRFAX

State:VA

ZIP:22037

Country:US

Phone:800-662-4525/ 856-224-4644

Contract Num:SP0450-01-M-C768

CAGE:3U728

Company Name:MOBIL OIL CORP. NORTH AMERICA MARKETING AND REFINING

Address:3225 GALLOWS RD.

Box:City:FAIRFAX

State:VA

ZIP:22037

Country:US

Phone:609-737-4411/800-662-4525

CAGE:UO172

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Composition/Information on Ingredients
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Ingred Name:TRICRESYL PHOSPHATE

CAS:1330-78-5

RTECS #:TD0175000

Minumum % Wt:1.

Maxumum % Wt:5.

Ingred Name:1-NAPHTHALENAMINE, N-PHENYL OR PHENYL-ALPHA-NAPHTHYLAMINE

CAS:90-30-2

RTECS #:QM4500000

Minumum % Wt:1.

Maxumum % Wt:5.

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Hazards Identification
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LD50 LC50 Mixture:ORAL RAT LD50: >2000 MG/KG

Routes of Entry: Inhalation:YES Skin:YE

S Ingestion:YES

Health Hazards Acute and Chronic:PRODUCT NOT EXPECTED TO PRODUCE

NEUROTOXIC EFFECTS UNDER NORMAL CONDITIONS OF USE WITH APPROPRIATE
PERSONAL HYGIENE PRACTICES. CONTAINS TRICRESYL PHOSPHATE (TCP).

OVEREXPOSURE TO TCP BY SWALLOWING, PR OLONGED OR REPEATED BREATHING
OF OIL MIST, OR PROLONGED OR REPEATED SKIN CONTACT MAY PRODUCE
NERVOUS SYSTEM DISORDERS INCLUDING GASTROINTESTINAL DISTURBANCES,
NUMBNESS, MUSCULAR CRAMPS, WEAKNESS & PAR ALYSIS. PARALYSIS MAY BE

DELAYED.

Explanation of Carcinogenicity:NOT PROVIDED BY MFR

Effects of Overexposure:GASTROINTESTINAL DISTURBANCES, NUMBNESS,
MUSCULAR CRAMPS, WEAKNESS, PARALYSIS.

Medical Cond Aggravated by Exposure:NO DATA PROVIDED BY MANUFACTURER.

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First Aid Measures
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First Aid:EYE: FLUSH THOROUGHLY WITH WATER. IF IRRITATION OCCURS, CALL
DOCTOR. SKIN: WASH CONTACT AREA WITH SOAP & WATER. REMOVE
CONTAMINATED CLOTHING & LAUNDRER BEFORE REUSE. INHA

LATION: REMOVE

FROM EXPOSURE. IF RESPIRATORY IRRITATION, DIZZINESS, NAUSEA OR UNCONSCIOUSNESS OCCURS, GET IMMEDIATE MEDICAL HELP. IF BREATHING HAS STOPPED, ASSIST VENTILATION WITH BAG-VALVE-MASK DEVICE OR MOUTH-TO-MOUTH. INGESTION: GET IMMEDIATE MEDICAL HELP. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON. NOTE TO PHYSICIAN: SEE OTHER INFORMATION SECTION.

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

Flash Point Method:COC

Flash Point:=246.1C, 475.F

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

Fire Fighting Procedures:WATER OR FOAM MAY CAUSE FROTHING. USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURE. PREVENT RUNOFF FROM FIRE CONTROL OR DILUTION FROM ENTERING STREAMS, SEWERS OR DRINKING WATER SUPPLY. FOR FIRES IN ENCLOSED AREAS, FIREFIGHTERS MUST USE SCBA.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:ABSORB ON FIRE RETARDANT TREATED SAWDUST, DIATOMACEOUS EARTH, ETC. SHOVEL UP & DISPOSE OF AT APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH CURRENT APPLICABLE LAWS & REGS & PRODUCT CHARACTERISTICS. PREVENT SPILLS FROM ENTERING STORM SEWERS OR DRAINS OR CONTACT WITH SOIL. REPORT SPILLS AS REQUIRED. REPORT TO NRC HOTLINE AT 800-424-8802 IF SPILL COULD REACH WATERWAYS, TO INCLUDE DRY CREEKS.

Neutralizing Agent:

NO DATA PROVIDED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID INGESTION AND INHALATION OF MISTS. AVOID PROLONGED REPEATED SKIN CONTACT. WASH THOROUGHLY BEFORE EATING & SMOKING. KEEP AWAY FROM FEED OR FOOD PRODUCTS. DO NOT USE ON FOOD PROCESSING MACHINERY. STORE IN COOL, DRY, WELL VENTILATED AREA AWAY FROM HEAT.

Other Precautions:NO DATA PROVIDED BY MANUFACTURER.

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===== Exposure C

ontrols/Personal Protection =====

Respiratory Protection:APPROVED RESPIRATORY PROTECTIVE EQUIPMENT SHOULD BE USED IF VENTILATION IS INADEQUATE AND BREATHING OF VAPORS OR MISTS IS UNLIKELY.

Ventilation:USE IN WELL VENTILATED AREA WITH LOCAL EXHAUST.

Protective Gloves:OIL IMPERVIOUS GLOVES IF PROLONGED OR REPEATED SKIN CONTACT IS LIKELY

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS OR CHEMICAL TYPE GOGGLES

Other Protective Equipment:NO DATA PROVIDED BY MANUFACTURER.

Wor

k Hygienic Practices:GOOD PERSONAL HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.

Supplemental Safety and Health

MSDS SPECIFIES DO NOT INDUCE VOMITING IF INGESTED. LABEL WARNING SAYS TO INDUCE VOMITING ONLY IF MEDICAL ATTENTION WILL BE DELAYED. PER DAVE ROSSER, 6/16/00, THIS WAS INTENDED TO REMOVE PHENYL-ALPHA-N APHTHYLAMINE QUICKLY. BUT CARE MUST BE TAKEN TO AVOID CHEMICAL PNEUMONIA DUE TO HYDROCARBON ASPIRATED INTO LUNGS.

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

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HCC:V6

Boiling Pt:B.P. Text:NE

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

Vapor Pres:NE

Vapor Density:NE

pH:NE

Viscosity:23 CST @ 40C, 4.9 @ 100C

Evaporation Rate & Reference:NE

Solubility in Water:NEGLIGIBLE

Appearance and Odor:AMBER LIQUID, MILD ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Stability Condition to Avoid:EXTREME HEAT

Hazardous Decomposition Products:CARBON MONOXIDE

Conditions to Avo

id Polymerization:WILL NOT OCCUR

===== Toxicological Information =====

Toxicological Information:ORAL TOXICITY (RATS): PRACTICALLY NON-TOXIC (LD50 >2000 MG/M3). DERMAL TOXICITY (RABBITS): PRACTICALLY NON-TOXIC (LD50 > 2000 MG/M3). INHALATION TOXICITY (RATS): PRACTICALLY NON-TOXIC (LC50 > 5 MG/L). EYE IRRITATION (RABBITS): PRACTICALLY NON-IRRITATING (DRAIZE SCORE 0 OR GREATER BUT 6 OR LESS). SKIN IRRITATION (RABBITS): PRACTICALLY NON-IRRITATING

(PRIMARY IRRITATION INDEX > THAN 0.5 BUT LESS THAN 3). OTHER ACUTE TOXICITY DATA: THIS MIXTURE OR A SIMILAR MIXTURE DID NOT RESULT IN ANY FATALITIES TO RATS AT CONCENTRATIONS SUBSTANTIALLY HIGHER THAN THE 5 MG/M3 TLV SUGGESTED FOR OIL MISTS.

===== Ecological Information =====

Ecological:ENVIRONMENTAL FATE & EFFECTS: NOT ESTABLISHED.

===== Disposal Considerations =====

Waste Disposal Methods:SUITABLE FOR BURNING IN ENCLOSED CONTROLLED BURNER FOR FUEL VALUE OR DISPOSAL BY SUPERVISED INCINERATION. BURNING MAY BE LIMITED BY RCRA. PRODUCT ALSO SUITABLE FOR PROCESSING AT APPROVED RECYCLING FACILITY SUBJECT TO APPLICABLE LAWS & REGULATIONS.

===== MSDS Transport Information =====

Transport Information:USA DOT: NOT REGULATED BY USA DOT. RID/ADR: NOT REGULATED BY RID/ADR. IMO: NOT REGULATED BY IMO. IATA: NOT REGULATED BY IATA.

===== Regulatory Information =====

SARA Title III Information:SARA TITLE III: THIS PRODUCT CONTAINS NO "EXTREMELY HAZARDOUS SUBSTANCES". SARA 311/312 REPORTABLE HAZARD CATEGORIES: CHRONIC. THIS PRODUCT CONTAINS NO CHEMICALS REPORTABLE UNDER SARA 313 TOXIC RELEASE PROGRAM.

Federal Regulatory Information:ALL COMPONENTS COMPLY WITH TSCA, EINECS/ELINCS. EU LABELING: EU LABELING NOT REQUIRED. RCRA INFORMATION: THE UNUSED PRODUCT, IN OUR (MOBIL OIL), IS NOT SPECIFICALLY

LISTED BY THE EPA AS A HAZARDOUS WASTE (40 CFR 261D),
NOR IS IT FORMULATED TO CONTAIN MATERIALS WHICH ARE LISTED AS
HAZARDOUS WASTES. IT DOES NOT EXHIBIT THE HAZARDOUS CHARACTERISTICS
OF IGNITABILITY, CORROSIVITY OR REACTIVITY AND IS NOT FORMULATED
WITH CONTAMINANTS WHICH AS DETERMINED BY THE TOXICITY
CHARACTERISTIC LEACHING PROCEDURE (TCLP). HOWEVER, USED PRODUCT
MAY BE REGULATED.

State Regulatory Information: THE FOLLOWING PRODUCT INGREDIENTS ARE
CITED ON THE LIST

ITEMS BELOW: TRICRESYL PHOSPHATE (>2.10%), CAS#
1330-78-5, MI 293 LIST.

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
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assume responsibility for the suitability of this information to their
particular situation.