

MOBIL OIL CORP -- MOBILGARD 450 (BLACK STAR) -- 9150-00-135-2634

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

Product ID:MOBILGARD 450 (BLACK STAR)

MSDS Date:09/21/1990

FSC:9150

NIIN:00-135-2634

MSDS Number: BMBZR

=== Responsible Party ===

Company Name:MOBIL OIL CORP

Box:1025

City:PRINCETON

State:NJ

ZIP:08540

Country:US

Info Phone Num:800-662-4525

Emergency Phone Num:609-737-4411(800-424-9300,CHEMTREC)

CAG

E:6A687

=== Contractor Identification ===

Company Name:MOBIL OIL CORP

Box:1025

City:PRINCETON

State:NJ

ZIP:08540

Country:US

Phone:609-737-4411

CAGE:6A687

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

Ingred Name:THE MANUFACTURER STATES THAT PRODUCT CONTAINS ONE OR MORE
OF THE FOLLOWING BASE OILS.

RTECS #:9999999ZZ

Other REC Limits:NONE SPECIFIED

Ingred Name:DISTILLATES, HYDROTREATED HEAVY PARAFFINIC

CAS:64742-54-7

RTECS #:PY8035500

Fraction by Wt: >80%.O

Other REC L

imits:NONE SPECIFIED
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY
PARAFFINIC

CAS:64742-65-0
RTECS #:PY8038500
Fraction by Wt: >80.0%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:AMINES, POLYETHYLENEPOLY WITH SUCCINIC ANHYDRIDE
POLYBUTENYL DERIVS.

CAS:68439-80-5
Fraction by Wt: < 4.0%
Other REC Limits:NONE SPECIFIED

Ingred Name:CALCIUM PETROLERUM SUL
FONATE. (SULFONIC ACIDS, PETROLEUM,
CALCIUM SALTS)

CAS:61789-86-4
RTECS #:WR7140000
Fraction by Wt: > 2.0%
Other REC Limits:NONE SPECIFIED
RTECS #:9999999ZZ
Other REC Limits:NONE SPECIFIED

Ingred Name:ALKYL AMIDES. (NJT 003066009-5094P)
Other REC Limits:NONE SPECIFIED

Ingred Name:CALCIUM ALKYLARYL SULFONATE. (NJT 01154100-5025P)
Other REC Limits:NONE SPECIFIED

Ingred Name:PHENOL, C12-AND C18-30-ALKYL DERIVS., SULFURIZED, CALCIUM
SALTS, OVERBASED.

CAS:73758-62-0
Other REC Limits:NONE S
PECIFIED

Ingred Name:CALCIUM ALKYLARYL SULFONATE. NJT 01154100-5013P
Other REC Limits:NONE SPECIFIED

Ingred Name:CALCIUM ALKYLARYL SULFONATE. NJT 01154100-5013P
CAS:68515-95-7
Other REC Limits:NONE SPECIFIED

Ingred Name:PHENOL NONYL DERIVS.,SULFIDES, CALCIUM SALTS.
CAS:68515-95-7
Other REC Limits:NONE SPECIFIED

Ingred Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 0.043%
Other REC Limits:NONE SPECIFIED
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293

LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ISOPROPYL ALCOHOL (SARA III)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 0.017%
Other REC Limits:NONE SPECIFIED
OSHA PEL:400 PPM/500 STEL
ACGIH TLV:400 PPM/500STEL;9192

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SLIGHT EYE IRRITATION. SLIGHT SKIN
IRRITATION.

Explanation of Carcinogenicity:

THE COMPONENTS OF THIS PRODUCT HAVE NOT
SHOWN ANY EVIDENCE OF BEING CARCINOGENIC.

Effects of Overexposure:EYE AND SKIN IRRITATION.

Medical Cond Aggravated by Exposure:PERSONS WITH A SKIN DISORDER SHOULD
USE CAUTION WHEN HANDLING OR USING THIS PRODUCT.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS
OPEN. GET MEDICAL ATTENTION. SKIN: WASH AREA WITH SOAP AND WATER.
REMOVE CONTAMINATED CLOTHING.

GET MEDICAL ATTENTION. INHALATION:

REMOVE TO FRESH AIR. GIVE CPR IF NOT BREATHING. IF BREATHING
DIFFICULT GIVE OXYGEN. GET MEDICAL ATTENTION. INGESTION: DO NOT
INDUCE VOMITING. GIVE 1 TO 2 GLASS OF WATER TO DRINK. GET MEDICAL
ATTENTION.

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

Flash Point Method:COC

Flash Point:>450F,>232C

Lower Limits:0.6

Upper Limits:7.0

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

Fire Fig

Handling Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:CONTAIN SPILL IMMEDIATELY. DO NOT ALLOW SPILL TO ENTER SEWERS OR WATERCOURSES, REMOVE ALL SOURCES OF IGNITION. ABSORB

WITH APPROPRIATE INERT MATERIAL SUCH AS SAND, CLAY, ETC. LARGE SPILLS MAY BE PICKED UP USING VACUUM PUMPS, SHOVELS, BUCKETS, ETC.

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

Handling and Storage Precautions:DO NOT TRANSFER TO UNMARKED CONTAINERS. STORE IN CLOSED CONTAINERS AWAY FROM HEAT, SPARKS, OPEN FLAME, OR OXIDIZING MATERIALS. COMBUSTIBLE LIQUID.

Other Precautions:DO NOT USE ON FOOD PROCESSING MACHINERY.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED ORGANIC VAPOR RESPIRATOR WITH A DUST AND MIST FILTER WHEN MIST CONCENTRATIONS EXCEED SUGGESTED EXPOSURE LIMITS. PROTECTION IS NOT REQUIRED UNDER NORMAL USE AND WITH ADEQUATE VENTILATION.

Ventilation:USE LOCAL EXHAUST IF OIL MISTS EXCEED THE WORKPLACE AIRBORNE CONCENTRATION OF 5MG/M3.

Protective Gloves:IMPERVIOUS SYNTHETIC RUBBER IF REQUIRED.

Eye Protection:USE CHEMICAL SAFETY GOGGLES IF REQUIRED.

Other P

rotective Equipment:NO SPECIAL EQUIPMENT REQUIRED.

Work Hygienic Practices:GOOD PERSONAL HYGIENE PRACTICES SHOULD BE FOLLOWED. WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

U.S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING INTERMITTENT DRY CREEKS. REPORT SPILL TO COAST GUARD TOLL FREE NUMBER 800-424-8802.

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

HCC:V6
Boiling Pt:B.P. Text:>600F,>316C
Vapor Pres:< 0.1
Spec Gravity:0.89
Solubility in Water:NEGLIGIBLE
Appearance and Odor:DARK AMBER LIQUID. MILD ODOR.

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION
Hazardous Decomposition Products:CARBON MONOXIDE

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.
DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL
REGULATIONS. PRODUCT MAY BE BURNED IN AN APPROVED INCINERATOR.
PRODUCT IS ALSO SUITABLE FOR PROCESSING BY AN APPROVED RECYCLING
FACILITY.

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