

ASHLAND PETROLEUM CO DIV ASHLAND OIL INC -- MAC'S OIL TREATMENT 9300 --  
9150-01-335-9884

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

Product ID:MAC'S OIL TREATMENT 9300  
MSDS Date:06/07/1990  
FSC:9150  
NIIN:01-335-9884  
MSDS Number: BMWMM  
=== Responsible Party ===  
Company Name:ASHLAND PETROLEUM CO DIV ASHLAND OIL INC  
Address:4125 ALGONQUIN PKY  
Box:14167  
City:LOUISVILLE  
State:KY  
ZIP:40201  
Country:US  
Info Phone  
Num:800-274-5263  
Emergency Phone Num:800-274-5263/800-ASHLAND  
CAGE:1N068  
=== Contractor Identification ===  
Company Name:ASHLAND PETROLEUM CO DIV ASHLAND OIL INC  
Address:4125 ALGONQUIN PKY  
Box:14167  
City:LOUISVILLE  
State:KY  
ZIP:40201  
Country:US  
Phone:800-274-5263/800-ASHLAND  
CAGE:1N068  
Company Name:EMULTEC INC  
Address:1150 HAYDEN DR SUITE 100  
Box:City:CARROLLTON  
State:TX  
ZIP:75006  
Country:US  
Phone:972-417-1288  
CAGE:0HD15

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

Ingr

ed Name:ANTIWEAR AGENTS/ANTI-WEAR ADDITIVE

Fraction by Wt: 1- 5%

Other REC Limits:NONE SPECIFIED

Ingred Name:MINERAL OIL/PETROLEUM LUBE OIL

CAS:64742-65-0

RTECS #:PY8038500

Fraction by Wt: 85- 100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3 AS OIL MIST

ACGIH TLV:5 MG/M3 AS OIL MIST

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

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

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

Reports of Carcinogenicity:NTP:NO IARC

:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-EYE:MAY CAUSE

IRRITATION,REDNESS,TEARING.SKIN:MAY CAUSE

IRRITATION.INHALED:VAPORS/OIL MISTS MAY CAUSE IRRITATION OF NASAL &  
RESPIRATORY PASSAGE.ORAL:MAY CAUSE GASTROINTESTINAL

IRRITATION.MINUTE AMOUNTS ASPIRATED INTO THE LUNGS MAY CAUSE LUNG  
INJURY.CHRONIC-NONE KNOWN.

Effects of Overexposure:MAY CAUSE EYE IRRITATION, REDNESS, TEARING. MAY

CAUSE SKIN IRRITATION. VAPORS/OIL MISTS MAY CAUSE IRRITATION OF  
NASAL & RESPIRA

TORY PASSAGE. ORALLY MAY CAUSE GASTROINTESTINAL

IRRITATION. MINUTE AMOUNT S ASPIRATED INTO THE LUNGS MAY CAUSE LUNG  
INJURY.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN

DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST.INHALED:REMOVE TO FRESH

AIR.PROVIDE CPR/OXYGEN IF NEEDED.EYES:FLUSH WITH WATER FOR 15  
MINUTES,HOLDING EY

ELIDS OPEN.SKIN:WASH WITH SOAP & WATER.ORAL:DO

NOT INDUCE V OMITING.CALL A PHYSICIAN IMMEDIATELY.

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

Flash Point Method:COC

Flash Point:395F,202C

Extinguishing Media:CO2, FOAM, OR DRY CHEMICAL. WATER/FOAM MAY CAUSE  
FROTHING & CAN BE DANGEROUS IF SPRAYED INTO CONTAINERS OF BURNING  
OIL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A

FULL FACED SELF CONTAINED BREATHING APPARATUS IN + PRESSURE

MODE.

COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN DUST RESIDUE) CAN IGNITE EXPLOSIVELY.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. VENTILATE AREA. STOP LEAK. CONTAIN LARGE SPILL. PUMP IT TO TRUCK. SOAK UP RESIDUE/SMALL SPILLS WITH CLAY/SAND. TRANSFER TO PROPER CONTAINER FOR D ISPOSAL.FLUSH AREA WITH WAT ER. REPORT SPILLS AS REQUIRED.

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

Handling and Storage Precautions:STORAGE-STORE IN COOL PLACE.KEEP AWAY FROM HEAT,FLAME & STRONG OXIDANTS.

Other Precautions:EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE WHICH COULD INCLUDE FLAMMABLE OR EXPLOSIVE VAPORS. CONSULT APPROPRIATE FEDERAL, STATE & LOCAL AUTHORITIES BEFORE REUSING, RECONDITIONING, RECLAIMING, RECYCLING/DISPOSING OF EMPTY CONTAINERS.

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

Respiratory Protection:NON REQUIRED UNDER NORMAL CONDITIONS. IF HIGH VAPOR OR MIST CONCENTRATIONS EXPECTED, USE NIOSH-APPROVED RESPIRATOR FOR ORGANIC VAPORS AND MISTS.

Ventilation:GOOD GENERAL VENTILATION IS SUFFICIENT FOR MOST CONDITIONS (10 ROOM VOLUMES PER HOUR).

Protective Gloves:IMPERVIOUS

Eye Protection:CHEMICAL SPLASH GOGGLES/SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

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

HCC:V6

Boiling Pt:B.P. Text:>425F,>218C

Spec Gravity:0.878 - 0.880

Evaporation Rate & Reference: