

ASHLAND PETROLEUM DIV ASHLAND -- MAC'S OIL TREATMENT 9300

=====
MSDS Safety Information
=====

FSC: 9150
NIIN: 01-335-9884
MSDS Date: 12/01/1994
MSDS Num: BVZPB
Product ID: MAC'S OIL TREATMENT 9300
MFN: 03
Responsible Party
Cage: 1N068
Name: ASHLAND PETROLEUM CO DIV ASHLAND OIL INC
Address: 4125 ALGONQUIN PKY
Bo
x: 14167
City: LOUISVILLE KY 40201
Info Phone Number: 800-274-5263
Emergency Phone Number: 800-274-5263/800-ASHLAND
Preparer's Name: UNKNOWN
Proprietary Ind: Y
Review Ind: Y
Published: Y

=====
Contractor Summary
=====

Cage: 1N068
Name: ASHLAND PETROLEUM CO DIV ASHLAND OIL INC
Address: 4125 ALGONQUIN PKY
Box: 14167
City: LOUISVILLE KY 40201
Phone: 800-274-5263/800-ASHLAND
Cage: 0HD15
Name: EMULTEC
INC
Address: 1150 HAYDEN DR SUITE 100
City: CARROLLTON TX 75006
Phone: 972-417-1288

=====
Item Description Information
=====

Item Manager: S9G
Item Name: ADDITIVE,ENGINE OIL
Specification Number: NONE
Type/Grade/Class: NONE
Unit of Issue: BX
Quantitative Expression: 00000000012EA
UI Container Qty: 1
Type of Container: BOX

=====
Ingredients
=====

=====
Name: *** PROPRIETARY ***

=====

Health Hazards Data
=====

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

Route Of Entry Inds - Inhalation: NO

Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: ACUTE: SKIN AND EYE EXPOSURE MAY CAUSE IRRITATION.

INHALATION MAY CAUSE RESPIRA

TORY IRRITATION. SWALLOWING SMALL AMOUNTS IS NOT

LIKELY TO CAUSE HARM; SWALLOWING LARGE AMOUNTS MAY CAUSE GI TRACT IRRITA
TION. CHRONIC: NONE CURRENTLY KNOWN FORTHIS PRODUCT.

Explanation Of Carcinogenicity: NO INGREDIENT OF A CONCENTRATION OF 0.1% OR
GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Signs And Symptions Of Overexposure: EYES: STINGING, TEARING, REDNESS. SKIN:
REDNESS, BURNING, SKIN DAMAGE. INHALED: COUGHING, WHEEZING, SNEEZING,
SHORTNESS, OF BREATH. INGESTED: N

AUSEA, VOMITING, DIARRHEA.

Medical Cond Aggravated By Exposure: PERSONS WITH PRE-EXISTING SKIN OR
RESPIRATORY DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE
SUBSTANCE.

First Aid: GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH
AIR.RESTORE BREATHING IF NEEDED.EYES:FLUSH WITH WATER FOR 15 MINUTES,HOLDING
EYELIDS OPEN.GET MEDICAL ATTENTION.SKIN:WASH WITH SOAP & WATE R.REMOVE
CONTAMINATED CLOTHES.INGESTED:DO NOT INDUCE VOMITING.IF CONSCIOUS,GIVE 2
GLASSES OF WA

TER.CALL A PHYSICIAN OR TRANSPORT TO EMERGENCY FACILITY.
=====

Handling and Disposal
=====

Spill Release Procedures: ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT OR
OTHER ABSORBENT MATERIAL. SHOVEL OR SCOOP INTO CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISPOSE OF IN COMPLIANCE WITH ALL APPLICABLE LAWS AND
REGULATIONS.

Handling A

nd Storage Precautions: STORE IN A COOL, DRY PLACE AWAY FROM STRONG OXIDIZING AGENTS.

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.

=====
Fire and Explosion Hazard Information
=====

=====
Flash Point Method: COC
Flash Point Text: 395F,202C
Lower Limits: UNKNOWN
Upper Limits: UNKNOWN

Extinguishing Media: CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. WATER/FOAM MAY CAUSE FROTHING, WHICH CAN BE DANGEROUS TO FIREFIGHTERS.

Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS IN POSITIVE-PRESSURE MODE.

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

=====
Control Measures
=====

Respiratory Protection: NONE REQUIRED UNDER NORMAL CONDITIONS OF USE.

Ventilation: NONE NORMALLY REQUIRED. GOOD GENERAL VENTILATION IS SUFFICIENT FOR MOST CONDITIONS (10 ROOM VOLUMES PER HOUR).

Protective Gloves: NONE NORMALLY REQUIRED.

Eye Protection: NONE NORMALLY REQUIRED.

Other Protective Equipment: NONE NORMALLY REQUIRED.

W

ork Hygienic Practices: WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health: THIS MSDS REPRESENTS ADDITION OF INGREDIENT #3 TO INGREDIENT LIST AND PROPRIETARY NOTATION BECAUSE OF THIS. DLA- DID THIS BECAUSE INGREDIENT 3 IS REPORTABLE UNDER SARA III SECTION 313.

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

HCC: V

6

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

M.P/F.P Text: UNKNOWN

Decomp Text: UNKNOWN

Vapor Pres: UNKNOWN

Vapor Density: >1

Spec Gravity: 0.880

Solubility in Water: UNKNOWN

Appearance and Odor: AMBER LIQUID

Corrosion Rate: UNKNOWN

=====
Reactivity Data
=====

Stability Indicator: YES

Stability Condition To Avoid: AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

Materials To Avoid: STRONG OXIDIZING AGENTS.

Hazar

dous Decomposition Products: NONE SPECIFIED BY MANUFACTURER.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NONE SPECIFIED BY MANUFACTURER.

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

=====
=====

Ecological Information

=====
=====

M

SDS Transport Information

=====
=====

Regulatory Information

=====
=====

Other Information

=====
=====

Transportation Information

=====
=====

Responsibl

e Party Cage: 1N068
Trans ID NO: 126775
Product ID: MAC'S OIL TREATMENT 9300
MSDS Prepared Date: 12/01/1994
Review Date: 12/28/1994
MFN: 3
Net Unit Weight: 11 LBS
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: BX
Container QTY: 1
Type Of Container: BOX

Additional Data: PER SAMMS-CTDF: UNIT CONTAINER SHALL CONFORM TO PPP-C-186,
GROUP B TUBE. MARK IAW MIL-STD-290.

=====
Detail DOT Information
=====

=====
DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
=====

=====
Detail IMO Information
=====

IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
=====

=====
Detail IATA Information
=====

IATA PSN Code: ZZZ
IATA Proper Shipping
Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
=====

=====
Detail AFI Information
=====

AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
=====

=====
HAZCOM Label
=====

Product ID: MAC'S OIL TREATMENT 9300
Cage: 1N068
Company Name: ASHLAND PETROLEUM CO DIV ASHLAND OI

L INC
Street: 4125 ALGONQUIN PKY
PO Box: 14167
City: LOUISVILLE KY
Zipcode: 40201
Health Emergency Phone: 214-247-7766
Label Required IND: Y
Date Of Label Review: 12/28/1994
Status Code: C
Label Date: 12/28/1994
Year Procured: 1994
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: CAUTION
Respiratory Protection IND: YES
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: Slight
Reactivity Hazard: None

Hazard And Precautions: SKIN & EYE EXPOSURE MAY CAUSE
IRRITATION.INHALATION

MAY CAUSE RESPIRATORY IRRITATION.SWALLOWING SMALL AMOUNTS IS NOT LIKELY TO
CAUSE HARM;SWALLOWING LARGE AMOUNTS MAY CAUSE GI TRACT IRRITATION. STORE IN
A COOL,DRY PLACE AWAY FROM STRONG OXIDIZING AGENTS. FIRST AID:GET MEDICAL
HELP IF SYMPTOMS PERSIST.INHALED:REMOVE TO FRESH AIR.RESTORE BREATHING IF
NEEDED.EYES:FLUSH WITH WATER FOR 15 MINUTES,HOLDI NG EYELIDS OPEN.GET MEDICAL
ATTENTION.SKIN:WASH WITH SOAP & WATER.REMOVE CONTAMINATED
CLOTHES.INGESTED:DO NOT
INDUCE VOMITING.IF CONSCIOUS,GIVE 2 GLASSES OF
WATER.CALL A PHYSICIAN OR TRANSPORT TO EMER GENCY FACILITY. TARGET
ORGANS:SKIN,LUNGS.

=====
Disclaimer (provided with this information by the compiling agencies): This
information is formulated for use by elements of the Department of Defense.
The United States of America in no manner whatsoever expressly or implied
warrants, states, or intends said information to have any application, use
or
viability by or to any person or persons outside the Department of Defense
nor any person or persons contracting with any instrumentality of the United
States of America and disclaims all liability for such use. Any person
utilizing this instruction who is not a military or civilian employee of the
United States of America should seek competent professional advice to verify
and assume responsibility for the suitability of this information to their
particular situation regards

s of similarity to a corresponding Department
of Defense or other government situation.