

VALVOLINE OIL CO SUBSIDIARY OF ASHLAND OIL INC. -- AF PLUS 10 -- 9150-00-189-6727

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

Product ID:AF PLUS 10

MSDS Date:02/17/1995

FSC:9150

NIIN:00-189-6727

Status Code:A

MSDS Number: CJDXY

=== Responsible Party ===

Company Name:VALVOLINE OIL CO SUBSIDIARY OF ASHLAND OIL INC.

Address:200 E MAIN ST

Box:14000

City:LEXINGTON

State:KY

ZIP:40512

Country:US

Info Phone Num:6

06-264-7000/7616;FAX 601-429-0537

Emergency Phone Num:800-ASHLAND/800-274-5263

Resp. Party Other MSDS Num.:0172684-008.001

CAGE:72527

=== Contractor Identification ===

Company Name:SALATHE OIL CO INC

Address:2226 PETERS RD

Box:City:HARVEY

State:LA

ZIP:70058

Country:US

Phone:504-366-4542

Contract Num:SP0450-99-M-B029

CAGE:0T5C6

Company Name:VALVOLINE OIL CO

Address:3499 BLAZER PKY

Box:14000

City:LEXINGTON

State:KY

ZIP:40512

Country:US

Phone:606-357-7206 / 800-274-5263

CAGE:72527

===== C

Composition/Information on Ingredients =====

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATE, SOLVENT DDEWAXED
(SEVERE), HEAVY PARAFFINIC

CAS:64742-65-0

RTECS #:PY8038501

Minumum % Wt:80.

Maxumum % Wt:90.

Other REC Limits:NONE RECOMMENDED

Ingred Name:DETERGENT/DISPERSANT ENGINE OIL PACKAGE

Minumum % Wt:9.

Maxumum % Wt:19.

Other REC Limits:NONE RECOMMENDED

Ingred Name:ZINC COUMPOUNDS OR PHOSPHORODITHOIC ACID, O-O-D1
C1-14-ALKYL ESTERS, ZINC SALTS (2:1) (ZDDP)

CAS:68649-42-3

= Wt:

1.4

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NO DATA

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

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

Health Hazards Acute and Chronic:ACUTE: SINGLE ORAL DOSE TOXICITY IS

LOW; SWALLOWING LARGE AMOUNTS MAY BE HARMFUL, CAUSES
GASTROINTESTINAL IRRITATION. EYE CONTACT NOT EXPECTED TO CAUSE
IRRITATION. SKIN CONTACT MAY CAUSE IRRITATION. I NHALATION
OF LARGE

CONCENTRATIONS OF MIST MAY CAUSE NOSE, THROAT & RESPIRATORY TRACT.
CHRONIC: PROLONGED/REPEATEDEXPOSURE MAY DRY THE SKIN.

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

Effects of Overexposure:SKIN-REDNESS, BURNING, DRYING, CRACKING, SKIN
BURNS. INGESTED-ABDOMINAL PAIN, NAUSEA, VOMITING, DIARRHEA.
INHALED-IRRITATION OF NOSE & THROAT.

Medical Cond Aggravated by Exposure:PRE-EXISTING

SKIN DISORDERS, LUNG
DISORDERS AND ASTHMA-LIKE CONDITIONS MAY BE AGGRAVATED.

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

First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR 15 MINUTES, LIFT LIDS. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. INGESTED-DO NOT INDUCE VOMITING! IF CONSCIOUS, GIVE 1 GLASS MILK OR WATER. GET IMMEDIATE

MEDICAL ATTENTION.

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

Flash Point Method:COC

Flash Point:>210.C, 410.F

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, REGULAR FOAM.

Fire Fighting Procedures:WATER OR FOAM MAY CAUSE FROTHING WHICH CAN BE VIOLENT & POSSIBLY ENDANGER THE LIVES OF FIREFIGHTERS. WEAR SELF-CONTAINED BREATHING APPARATUS & FULL FIRE FIGHTER'S PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:NEVER USE WELDING OR CUTTING TORCH ON OR

NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY. DENSE SMOKE MAY BE GENERATED WHILE BURNING.

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

Spill Release Procedures:ABSORB SPILL ON VERMICULITE, FLOOR ABSORBENT MATERIAL. PREVENT RUN-OFF TO SEWERS, STREAMS OR OTHER BODIES OF WATER. NOTIFY AUTHORITIES IF RUN-OFF OCCURS. PERSONS NOT WEARING PROTECTIVE GEAR SHOULD BE EXCLUDED FROM SPILL AREA UNTIL CLEAN-UP FINISHED. STOP SP

ILL AT SOURCE. DIKE TO CONTAIN (IF NEEDED).

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

Handling and Storage Precautions:CONTAINERS MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR/LIQUID/SOLID). ALL HAZARD PRECAUTIONS GIVEN IN DATA SHEET MUST BE OBSERVED.

Other Precautions:AVOID PROLONGED OR REPEATED SKIN CONTACT.

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

Respiratory Protection:NOT REQUIRED U

UNDER NORMAL CONDITIONS OF

USE. HOWEVER IF OIL MISTS GENERATED ABOVE RECOMMENDED PEL/TLV OF 5MG/M3 THEN NIOSH/MSHA APPROVED RESPIRATORY PROTECTION ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL.(CONSULT YOUR INDUSTRIAL HYGIENIST.)

Ventilation: IF UNUSUAL OPERATING CONDITIONS EXIST THEN PROVIDE SUFFICIENT MECHANICAL (GENERAL &/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW PEL/TLV.

Protective Gloves: NITRILE RUBBER.

Eye Protection: SAFETY GLASSES, CHEMICAL SPLASH GOGGLES.

Other Protective Equipment: WEAR NORMAL WORK CLOTHING COVERING ARMS AND LEGS.

Work Hygienic Practices: LAUNDER CONTAMINATED CLOTH BEFORE REUSE. WASH HANDS AFTER HANDLING.

Supplemental Safety and Health

INHALATION EXPOSURE IS POSSIBLE UNDER CERTAIN CONDITIONS OF HANDLING AND USE (EG. DURING HEATING, SPRAYING OR STIRRING).

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

HCC: V6

Boiling Pt: =218.3C, 425.F

B.P. Text: @ 760.00 MMHG

Vapor Pres: