

VALVOLINE OIL CO SUBSIDIARY OF ASHLAND OIL INC. -- ALL-FLEET PLUS MOTOR OIL SAE 10W --
9150-00-189-6727

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

Product ID:ALL-FLEET PLUS MOTOR OIL SAE 10W

MSDS Date:02/17/1995

FSC:9150

NIIN:00-189-6727

MSDS Number: BZNHH

=== Responsible Party ===

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

Address:200 E MAIN ST

Box:14000

City:LEXINGTON

State:KY

ZIP:405

12

Country:US

Info Phone Num:606-264-7000/7616;FAX 601-429-0537

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

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

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

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

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Ingred Name:MINERAL OIL, PETROLEUM DISTILLATE, SOLVENT DDEWAXED
(SEVERE), HEAVY PARAFFINIC
CAS:64742-65-0
RTECS #:PY8038501
Fraction by Wt: 80-90%
Other REC Limits:NONE RECOMMENDED

Ingred Name:DETERGENT/DISPERSANT ENGINE OIL PACKAGE
Fraction by Wt: 9-19%
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
Fraction by Wt: 1.4%
Other REC Limits:NONE RECOMMENDED

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===== 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. SKIN AND EYE CONTACT
MAY CAUSE IRRITATION. INHALATION OF LARGE CONCENTRATIONS OF MIST
MAY CAUSE NOSE, THROAT & RESPIRATORY TRACT. CHRONIC:
PROLONGED/REPEATED EXPOSURE 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:EYES-IRRITATION, INJURY. SKIN-REDNESS, BURNING,
DRYING, CRACKING, SKIN BURNS. INGESTED-ABDOMINAL PAIN, NAUSEA,
VOMITING, DIARRHEA. INHALED-IRRITATION OF NOSE & THROAT.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== 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:>410F,>210C

Extinguishing Media:CARBON D

IOXIDE, DRY CHEMICAL, REGULAR FOAM.

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

Unusual Fire/Explosion Hazard:PRODUCT CAN IGNITE EXPLOSIVELY. DENSE SMOKE MAY BE GENERATED WHILE BURNING.

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

Spill Release Procedures:ABSORB SPILL ON VERMICULITE, FLOOR ABSORBENT MATERIAL. SCOOP UP AND P

Neutralizing Agent:NONE SPEC BY MFG. SPILL:SAND/CLAY/EARTH/FLR ABSORB/OTHER ABSORB;SHOVEL INTO CNTR

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

Handling and Storage Precautions:CNTNRS MAY BE HAZ WHEN EMPTIED;SINCE RETAIN PROD RESIDUE(VAP/LIQ/SOL)ALL HAZ PRECAUT GIVE IN DATA SHEET MUST BE OBSERVE.

Other Precautions:AVOID PROLONGED/REPEATED SKIN CONTACT.

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

Respiratory Protection:NOT REQ

UIRED UNDER NORMAL CONDITIONS OF

USE.HOWEVER IF OIL MISTS GENERATED ABOVE RECOMMENDED PEL/TLV OF 5MG/M3 THEN NIOSH/MSHA APPORVED RESP ADVISED IN ABSENCE OF PROPER ENVIRO CONTROL.(CONSULT YOUR I NDUSTRIAL HYGIENIS.)

Ventilation:IF UNUSUAL OPERATING CONDITIONS EXIST THEN PROVIDE SUFFICIENT MECH(GEN &/OR LOC EXHAU)VENTI TO MAINTAIN EXPO BEL PEL/TLV

Protective Gloves:NITRILE RUBB-PREVENT IRRIT FRM PROL/REP

Eye Protection:SAF GLASSES,CHEM SPLASH GOGG-MIST/SPRAY

Other Protective Eq

Equipment: WEAR NORMAL WORK CLOTH COVERING
ARMS/LEGS.(NOT REQUIRED PPE UNDER NORMAL CONDITIONS OF USE.)
Work Hygienic Practices: LAUNDRY CONTAMIN CLOTH BEFORE REUSE. WASH HANDS AFTER
HANDLING.
Supplemental Safety and Health
FIREFIGHT: & CHEM RESIST PPE. REF: PPE SECS. HEALTH HAZ: EXPOSURE IS POSSIBLE
UNDER CERTAIN CONDITIONS OF
HANDLING/USE (HEATING, SPRAYING, STIRRING). SYMPTOMS MORE TYPICALLY SEEN
@ AIR CONCENTRATION EXCEEDING RECOMMENDED EXPOSURE LIMITS. 1ST AID: SEEK IMMEDIATE
MEDICAL ATTENTION. NOT BREATH BEGIN ART RES
P. DIFFICULT BREATH ADMINISTER OXYGEN.

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

HCC: V6
Boiling Pt: B.P. Text: 450F, 232C
Vapor Pres: