

VALVOLINE (DIVISION ASHLAND OIL, INC) -- OUTBOARD 2 CYCLE MOTOR OIL -- 9150-00N069379

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

Product ID:OUTBOARD 2 CYCLE MOTOR OIL
MSDS Date:11/01/1985
FSC:9150
NIIN:00N069379
MSDS Number: BZQMN
=== Responsible Party ===
Company Name:VALVOLINE (DIVISION ASHLAND OIL, INC)
Box:14000
City:LEXINGTON
State:KY
ZIP:40512
Country:US
Info Phone Num:606-264-7000
Emergency Phone Num:800-274-5263
CAGE:JO308

=== Contractor Identification ===

Company Name:VALVOLINE (DIVISION ASHLAND OIL, INC)
Box:14000
City:LEXINGTON
State:KY
ZIP:40512
Country:US
Phone:606-264-7000
CAGE:JO308
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 =====

Ingred Name:MINERAL OIL, PETROL DISTILL, SOLV-DEWAXED HVY PARAFFINIC
(SEV SOLV-REFINING &/OR HYDROTREATMENT; (PETROLEUM LUBE OIL)
CAS:64742-65-0
RTECS #:PY8038501
Fraction by Wt: 55-70%
OSHA PEL:5 MG/M3 (MFR)
ACGIH TLV:5 MG/M3 (MFR)

Ingred Name:KEROSENE BP:365F, 185C @ 760.00 MMHG, VP:1 @ 25C
CAS:8008-20-6
RTECS #:OA5500000
Fraction by Wt: 10-30%
OSHA PEL:500 MG/M3 (MFR)
ACGIH TLV:100 PPM (MFR)

Ingred Name:SPILL PROC:UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT
SOURCE, DIKE AREA TO PVNT SPREADING, PUMP LIQ TO (ING 4)
RTECS #:9999999ZZ

Ingred Name:ING 3:SALV TANK. REMAINING LIQ MAY BE TAKEN UP ON SAND,
CLAY, EARTH, FLOOR ABSORB/OTHER ABSORB MATL & SHOVELED (ING 5)
RTECS #:9999999ZZ

Ingred Name:ING 4:INTO CNTNRS. PVNT RUN-OFF TO SEWERS, STREAMS/OTHER
BODIES OF WATER. IF RUN-OFF OCCURS, NOTIFY PROPER AUTHS (ING 6)
RTECS #:9999999ZZ

Ingred Name:ING 5:REQUIRED, THAT A SPILL HAS OCCURRED.
RTECS #:9999999ZZ

Ingred Name:RESP PROT:ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE
IMPLEMENTED TO REDUCE EXPOSURE.
RTECS #:9999999ZZ

Ingred Name:EYE PROT:AND FULL LENGTH FACESHIELD .
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES:CAN CAUSE SEVERE IRRITATION,
REDNESS, TEARING, BLURRED VISION. SKIN:PROLONGED OR REPEATED
CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS.
INGESTION:CAN CAUSE GI IRRITATION, NAUSEA, VOMITING, DIARRHEA.
ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE CHEMICAL PNEUMONITIS.
INHALATION:(EFTS OF OVEREXP)
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:HLTH HAZS:MIST CAN CAUSE DAMAGE TO NASAL AND
RESPIRATORY PASSAGES. THIS PRODUCT CONTAINS KEROSENE. MATERIALS
SIMILAR TO KEROSENE HAVE BEEN SHOWN TO PRODUCE SKIN CANCER IN
LABORATORY ANIMALS FOLLOWING REPEATED SKIN EXPOSURE WITHOUT
WASHING OR REMOVAL.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN:THORO WASH EXPOSED AREA W/SOAP & WATER. REMOVE CONTAM
CLTHG & LAUNDER BEFORE RE-USE. EYES:FLUSH W/LG AMTS OF WATER FOR @
LST 15 MIN, LIFTING LIDS OCCAS. GET MED ATTN. INGEST:DO NOT INDUCE
VOMIT. KEEP PERSON WARM, QUIET & GET MED ATTN.ASPIR OF OF MATL
INTO LUNGS DUE TO VOMIT CAN CAUSE CHEM PNEUM WHICH CAN BE FATAL.
INHAL:REMOVE TO FRESH AIR. IF BRTHG IS DFCLT, ADMIN OXYG. IF BRTHG
(SUPP DATA)

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

Flash Point:175F,79C
Lower Limits:1.0%
Extinguishing Media:REGULAR FOAM OR CARBON DIOXIDE OR DRY CHEMICAL.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP
. WATER/FOAM MAY CAUSE FROTHING WHICH CAN BE VIOLENT & POSS
ENDANGER LIFE OF FIREFIGHTER, ESP IF (SUPDAT)
Unusual Fire/Explosion Hazard:NEVER USE WELDING/CUTTING TORCH ON/NEAR
DRUM (EVEN EMPTY) BECAUSE PROD (EVEN JUST RESIDUE) CAN IGNITE
EXPLO. VAPS ARE HVR/AIR & MAY TRAVEL ALONG GROUND/(SUPDAT)

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

Spill Release Procedures:SM SPILL:ABSORB LIQ ON PAPER, VERMICULITE, FLOOR ABSORB/OTHER ABSORB MATL & TRANSFER TO HOOD. LG SPILL:ELIM ALL IGNIT SOURCES (FLARES, FLAMES, INCLUDING PILOT LIGHTS, ELEC SPKS). PERSONS NOT WEARING P ROT EQUIP SHOULD BE EXCLUDED FROM AREA (ING 3)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:CNTNRS OF MATL MAY BE HAZ WHEN EMPTIED. SINCE EMPTIED CNTNRS RETAIN RESIDUE (VAP, LIQ, &/OR SOLID), ALL HAZ PRECS GIVEN IN DATASHEET MUST BE OBSERVED.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:IF TLV OF PROD/ANY COMPONENT IS EXCEEDED, NIOSH/MSHA JOINTLY APPRVD AIR SUPPLIED RESP IS ADVISED IN ABSENCE OF PROPER ENVIRON CTL. OSHA REGS ALSO PERMIT OTHER NIOSH/MSHA RESPS UNDER SPECIFIED CNDTNS. (SEE YOUR SFTY EQUIP SUPP). (ING 7)

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RESIST GLOVES:NITRILE RUB, NEOPRENE.

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS (ING 8)

Other Protective Equipment:ANSI APPROVED EMERGENCY EYE WASH AND DELUGE SHOWER . TO PVNT RPTD/PRLNGD SKIN CONT, WEAR IMPERVIOUS CLTHG & BOOTS.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIRE FIGHT PROC:SPRAYED INTO CNTNRS OF HOT, BURNING LIQ. EXPLO HAZS:BE MOVED BY VENT & IGNITED BY HEAT, PILOT LIGHTS, OTHER FLAMES & IGNIT SOURCES AT LOCATIONS DIST FROM MATL HNDLG POINT. FIRST AID PR OC:HAS STOPPED, GIVE ARTF RESP. KEEP PERSON WARM, QUIET, & GET MED ATTN. WASTE DISP METH:ACCORD W/LOC, STATE & FED REGS.

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

Boiling Pt:B.P. Text:SEE ING 2

Vapor Pres:SEE ING 2

Vapor Density:HVR/AIR

Spec Gravity:0.876 @ 15.55C

Evaporation Rate & Reference:SLOWER THAN ETHER

Appearance and Odor:BLUE GREEN COLOR LIQUID, HOMOG SOLN.

Percent Volatiles by Volume:10-30

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH:STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:MAY FRM TOXIC MATERIALS:CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS, SULFUR COMPOUNDS.

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

Waste Disposal Methods:SM SPILL:ALLOW VOLAT PORTION TO EVAP IN HOOD. ALLOW SUFFICIENT TIME FOR VAPS TO COMPLETELY CLEAR HOOD DUCT WORK. DESTROY REMAINING MATL BY BURNING IN IRON PAN. LG SPILL:DESTROY BY

LIQ INCIN. CONTAM AB SORB MAY BE DEPOSITED IN LANDFILL IN (SUPP
DATA)

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