

VALVOLINE OIL CO SUBSIDIARY OF ASHLAND OIL INC. -- NAPA MV MOTOR OIL SAE 10W40 -- 9150-00-116-0506

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Product Identification
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Product ID:NAPA MV MOTOR OIL SAE 10W40
MSDS Date:05/20/1993
FSC:9150
NIIN:00-116-0506
MSDS Number: CCMNR
=== 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:606-264-7000/7616;FAX 601-429-0537
Emergency Phone Num:800-ASHLAND/800-274-5263
CAGE:72527

=== Contractor Identification ===

Company Name:BALKAMP INC
Address:2601 S HOLT ROAD
Box:City:INDIANAPOLIS
State:IN
ZIP:46241
Country:US
Phone:317-244-7241
CAGE:70842
Company Name:NAPA, A DIVISION OF LINCOLN AUTOMOTIVE
Address:ONE LINCOLN WAY
Box:City:ST. LOUIS
State:MO
ZIP:63120-1578
Country:US
Phone:414-255-5520
CAGE:050Q3
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

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Composition/Information on Ingredients
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Ingred Name:DETERGENT & DISPERSANT ENGINE OIL PACKAGE, CONTAINS INGRED #2.

Fraction by Wt: 10-15%
Other REC Limits:NONE RECOMMENDED

Ingred Name:ZINC COMPOUND

Fraction by Wt: 10%
Other REC Limits:NONE RECOMMENDED

Ingred Name:LUBE OIL ADDITIVE
Fraction by Wt: 10-15%
Other REC Limits:NONE RECOMMENDED

Ingred Name:PETROLEUM LUBE OIL
CAS:64742-65-0
RTECS #:PY8038500
Fraction by Wt: 70-85%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT ESTABLISHED FOR PRODUCT.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:PRODUCT NOT HAZ AS DEFINED BY
OSHA(29CFR1910.1200)BASED ON TESTING OF SIMILAR PRODUCTS &/OR
COMPONENTS.EYE:NOT EXPECTED TO CAUSE IRRIT DURING NORMAL CONDITIONS
OF USE.SKIN:PROL/REP CONTACT MAY BE MILD LY IRRIT,MAY CAUSE
DERM.INGEST:NOT EXPECTED TO BE TOXIC.PROD HAS LAXATIVE
PROPERTIES,MAY CAUSE NAU,ABD CRAMPS,(SUPPLEM)
Explanation of Carcinogenicity:SEE OTHER PRECAUTION SEC OF MSDS.
Effects of Overexposure:MILDLY SKIN IRRIT, DERMATITIS. LAXATIVE
PROPERTIES, NAUSEA, ABDOMINAL CRAMPS, DIARRHEA, RESP IRRIT,
DISCOMFORT.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN:THOROUGHLY WASH W/SOAP/WATER.REMOVE CONTAMIN
CLOTH.EYE:FLUSH W/LG AMTS OF WATER LIFTING LIDS.IRRIT PERSISTS GET
MED ATTN.INGEST:DO NOT INDUCE VOMIT.KEEP WARM/QUIET.GET MED
ATTN.INHAL:REMOVE TO FR ESH AIR.BREATH DIFFI ADMIN OXYGEN.STOP
BREATH GIVE ART RESP.KEEP WARM/QUIET.GET MED ATTN.

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

Flash Point:>400F,>204C
Autoignition Temp:Autoignition Temp Text:NP
Lower Limits:UNAVAI
Upper Limits:UNAVAI
Extinguishing Media:REGULAR FOAM OR CARBON DIOXIDE OR DRY CHEMICAL.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS W/FULL
FACEPIECE OPERATED IN POSITIVE PRESSURE DEMAND MODE.WATER/FOAM MAY
CAUSE FROTHING-VIOLENT/POSSIBLY ENDANGER(SUPP)
Unusual Fire/Explosion Hazard:NEVER USE WELD/CUT TORCH ON/NEAR
DRUM(EVEN EMPTY)BECAUSE PRODUCT(EVEN JUST RESIDUE)CAN IGN
EXPLOSIVELY.

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

Spill Release Procedures:SM:ABSORB ON VERMI/FLOOR ABSORB/OTHER
ABSORB.LG:PREVENT RUNOFF TO SEWER/STREAM/BODIES OF WATER.IF SO
NOTIFY PROPER AUTHORITIE.EXCLUDE PERSON W/O PPE FRM AREA TIL

CLEANUP COMPLETE.STOP SPILL.DIKE-PREVENT SPREAD.PUMP LIQ TO SALVAGE TK.REMAINLIQ(SUPPL)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:CNTNR OF MATL MAY BE HAZ WHEN EMPTIED.SINCE EMPTIED CONTNRS RETAIN PROD RESIDUES(VAP/LIQ/SOLID)ALL HAZ PRECAUT GIVEN IN MSDS MUST BE OBSERVED.

Other Precautions:CAUTION:USED MOTOR OIL HAS BEEN SHOWN TO CAUSE SKIN CANCER IN CERTAIN LAB ANIMALS CONTINUALLY EXPO TO USED MOTOR OIL BY REPEATED APPLICATIONS.AVOID PROLONGED/REPEATED CONTACT TO SKIN.

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Exposure Controls/Personal Protection
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Respiratory Protection:NOT REQUIRED UNDER NORMAL CONDITIONS OF USE.HOWEVER IF OIL MISTS GENERATED ABOVE RECOMMENDED PEL/TLV OF 5MG/M3 NIOSH/MSHA APPROVED RESP ADVISED IN ABSENCE OF PROPER ENVIRO CONTROL.(SEE YOUR INDUSTRIAL HYGIENIST).

Ventilation:NOT REQUIRED UNDER NORM USE CONDITIONS.HOWEVER UNUSUAL OPERATING CONDITIONS EXIST PROVIDE SUFF MECH(GEN,LOC EXHAU)VENTI.

Protective Gloves:NOT NORM REQUIRE;NITIRLE RUBB FOR CONTAC

Eye Protection:NOT NORM REQUIRE;SAF GLASS,CHEM SPLA GOG

Other Protective Equipment:NORMAL WORK CLOTHING COVERING ARMS/LEGS.

Work Hygienic Practices:LAUNDER CONTAMIN CLOTH BEF REUSE.

Supplemental Safety and Health

VAP PRESS:PETRO LUB OIL. FIREFIGHT:FIREFIGHTER LIFE ESPECIALLY IF SPRAY INTO CNTNR OF HOT BURNING LIQ.DENSE SMOKE MAY BE GENERATED WHILE BURNING. HEALTH HAZ:DIARR.INHAL:NOT EXPECTED TO BE HAZ @NORM RM TEMP.EXPO EXCEED OIL MIST PEL/TLV,MISTMAY RESULT IN RESP IRRIT,POSSIBLE DISCOMFT. SPILL:TAKEUP W/SAND/EARTH/ETC.

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Physical/Chemical Properties
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HCC:V6

Boiling Pt:B.P. Text:570F,299C

Melt/Freeze Pt:M.P/F.P Text:NP

Decomp Temp:Decomp Text:NP

Vapor Pres:<0.10MM

Vapor Density:>AIR

Spec Gravity:0.877 @60F

pH:NP

Viscosity:NP

Evaporation Rate & Reference:SLOWER THAN ETHER.

Solubility in Water:NP

Appearance and Odor:LIGHT AMBER LIQUID, HOMO SOLN.

Percent Volatiles by Volume:NA

Corrosion Rate:NP

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

AVOID CONTACT W/STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:MAY FORM TOXIC MATLS:CARBON DIOXIDE,CARBON MONOXIDE,VARIOUS HYDROCARBONS,OXIDES OF

SULFUR,NITROGEN & PHOSPHORUS,ETC.

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

Waste Disposal Methods:SM/LG SPILLS:DISPOSE OF IN ACCORDANCE WITH ALL
APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

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