VALVOLINE OIL CO SUBSIDIARY OF ASHLAND OIL INC. -- NAPA MV MOTOR OIL SAE 10W40 -- 9150-00-116-0506 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 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 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: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. 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. 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-PREVE NT SPREAD.PUMP LIQ TO

SALVAGE TK.REMAINLIQ(SUPPL) Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER. 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. 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. 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 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.

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

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 this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.