

ASHLAND OIL,INC, THE VALVOLINE OIL CO DIV -- ALL-FLEET PLUS SAE 10W -- 9150-00-191-2772  
===== Product Identification =====

Product ID:ALL-FLEET PLUS SAE 10W  
MSDS Date:11/18/1993  
FSC:9150  
NIIN:00-191-2772  
MSDS Number: BTGDP  
=== Responsible Party ===  
Company Name:ASHLAND OIL,INC, THE VALVOLINE OIL CO DIV  
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  
Preparer's Name:NONE  
CAGE:72527  
=== Contractor Identification ===  
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:PETROLEUM LUBE OIL  
CAS:64742-65-0  
RTECS #:PY8038500  
Fraction by Wt: 85-100%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5

MG/M3 OIL MIST  
ACGIH TLV:5 MG/M3, MIST 9394

Ingred Name:DETERGENT/DISPERSANT ENGINE OIL PACKAGE  
Fraction by Wt: 10-15%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ZINC COMPOUNDS (SARA III)  
Fraction by Wt: 1-1.5%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: EYES: NOT EXPECTED TO CAUSE IRRITATION UNDER NORMAL CONDITIONS. SKIN: PROLONGED/REPEATED CONTACT MAY BE MILDLY IRRITATING AND MAY CAUSE DERMATITIS. INHALATION: NOT EXPECTED TO BE HAZARD AT NORMAL ROOM TEMPERATURE. MISTS MAY RESULT IN IRRITATION. INGESTION: NOT EXPECTED TO BE TOXIC. CHRONIC: NONE CURRENTLY KNOWN.  
Explanation of Carcinogenicity:USED MOTOR OIL HAS BEEN SHOWN TO CAUSE SKIN CANCER IN LABORATORY ANIMALS CONTINUALLY EXPOSED BY REPEATED APPLICATIONS.  
Effects of Overexposure:SKIN: IRRITATION, DERMATITIS. INHALATION: IRRITATION. INGESTION: NAUSEA, ABDOMINAL CRAMPS, DIARRHEA, LAXATIVE EFFECTS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND WATER. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. KEEP PERSON WARM AND QUIET. GET MEDICAL ATTENTION.

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

Flash Point Method:COC  
Flash Point:410F,210C  
Extinguishing Media:REGULAR FOAM, CARBON DIOXIDE, DRY CHEMICAL.  
Fire Fighting Procedures:WEAR SCBA WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE DEMAND MODE. WATER/FOAM MAY CAUSE FROTHING

NG WHICH

CAN BE VIOLENT IF SPRAYED INTO HOT BURNING LIQUID.

Unusual Fire/Explosion Hazard: NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

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

Spill Release Procedures: ABSORB SMALL SPILLS ON ABSORBENT MATERIAL. FOR LARGE SPILLS: DIKE SPILL TO PREVENT RUN-OFF TO SEWERS, STREAMS, OTHER BODIES OF WATER. IF RUN-OFF OCCURS NOTIFY PROPER AUTHORITIES.

PUMP LIQUID TO SALVAGE TANK. ABSORB RESIDUE WITH ABSORBENT.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: STORE AND USE IN WELL VENTILATED AREAS, AWAY FROM INCOMPATIBLE MATERIALS, EXCESSIVE HEAT. DO NOT TRANSFER TO UNLABELED CONTAINER.

Other Precautions: DO NOT USE CUTTING OR WELDING TORCH ON THIS CONTAINER (EVEN EMPTY). AVOID CONTACT WITH EYES, SKIN.

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Exposure Controls/Personal Protection =====

Respiratory Protection: NONE REQUIRED UNDER NORMAL CONDITIONS OF USE. HOWEVER, IF OIL MISTS ARE GENERATED ABOVE RECOMMENDED PEL/TLV OF 5 MG/M<sup>3</sup>, THEN A NIOSH/MSHA APPROVED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL.

Ventilation: NORMAL WORK PLACE VENTILATION ADEQUATE UNDER NORMAL CONDITIONS OF USE. PROVIDE GENERAL OR LOCAL EXHAUST IF NEEDED.

Protective Gloves: NOT NORMALLY REQUIRED.

Eye Protection: NOT NORMALLY REQUIRED. GOGGLES IF MISTS.

Other Protective Equipment: NORMAL WORK CLOTHS COVERING ARMS AND LEGS.

Work Hygienic Practices: WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID AND/OR SOLID).

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

HCC: V6

Boiling P

t:B.P. Text:495F,257C

Vapor Pres:0.10

Vapor Density:> AIR

Spec Gravity:0.887

Evaporation Rate & Reference:SLOWER THAN ETHER

Appearance and Odor:LIGHT AMBER LIQUID.

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:EXCESSIVE TEMPERATURES, OPEN FLAME,  
IGNITION SOURCES.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, DENSE  
SMOKE.

Condi

tions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE  
AND FEDERAL REGULATIONS.

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