

72-62-7925-11

MATERIAL SAFETY DATA SHEET



THE VALVOLINE COMPANY

Division of Ashland Oil, Inc.
P.O. BOX 14000
LEXINGTON, KENTUCKY 40512
(606) 264-7000

24-hour Emergency Telephone
1 (800) 274-5263 or 1-800-ASHLAND

000010

ALL CLIMATE 20W50

Page: 1

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)

\*\*\*\*\*
Product Name: ALL CLIMATE 20W50

VAY RODMAN
RISK MANAGEMENT OFFICE
UW - WHITEWATER
LIBRARY ROOM 2008
WHITEWATER WI 53190

08 94 080 1102856-497
PRODUCT:
INVOICE: REQST
INVOICE DATE: 08/01/94
TO:

Data Sheet No: 0171982-012.000
Prepared: 07/14/94
Supersedes: 05/26/94
Print Date: 08/01/94

SECTION I-PRODUCT IDENTIFICATION

General or Generic ID: PETROLEUM BASED-LUBRICATING OIL

SECTION II-COMPONENTS

IF PRESENT, IARC, NTP AND OSHA CARCINOGENS AND CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313 ARE IDENTIFIED IN THIS SECTION. SEE DEFINITION PAGE FOR CLARIFICATION

Table with 5 columns: INGREDIENT, Percent, PEL, TLV, Note. Rows include DETERGENT/DISPERSANT ENGINE OIL PACKAGE, LUBE OIL ADDITIVE, and PETROLEUM LUBE OIL.

Notes:

- ( 1 ) THIS PROPRIETARY MATERIAL CONTAINS 13% ZINC COMPOUNDS. ZINC COMPOUNDS ARE REPORTABLE UNDER SECTION 313 OF SARA TITLE III.
( 2 ) PEL/TLV NOT ESTABLISHED FOR THIS MATERIAL
( 3 ) PEL/TLV IS FOR OIL MIST. ACGIH SHORT TERM EXPOSURE LIMIT (STEL) FOR OIL MIST IS 10 MG/CUM.

SECTION III-PHYSICAL DATA

Table with 2 columns: Property, Value. Rows include Boiling Point, Vapor Pressure, Specific Vapor Density, Specific Gravity, Percent Volatiles, Evaporation Rate, Appearance, State, Form.

SECTION IV-FIRE AND EXPLOSION INFORMATION

FLASH POINT(COC ) 450.0 Deg F ( 232.2 Deg C)
EXPLOSIVE LIMIT UNAVAILABLE
EXTINGUISHING MEDIA: REGULAR FOAM OR CARBON DIOXIDE OR DRY CHEMICAL
HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC MATERIALS: CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS, OXIDES OF SULFUR, NITROGEN AND PHOSPHORUS, ETC.
FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.
WATER OR FOAM MAY CAUSE FROTHING WHICH CAN BE VIOLENT AND POSSIBLY ENDANGER THE LIFE OF THE FIREFIGHTER, ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT, BURNING LIQUID.
DENSE SMOKE MAY BE GENERATED WHILE BURNING.
SPECIAL FIRE & EXPLOSION HAZARDS: NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

NFPA CODES: HEALTH- 1 FLAMMABILITY- 1 REACTIVITY- 0

72-62-7925-11

**MATERIAL SAFETY  
DATA SHEET**



**THE VALVOLINE COMPANY**

Division of Ashland Oil, Inc.  
P.O. BOX 14000  
LEXINGTON, KENTUCKY 40512  
(606) 264-7000

24-hour  
Emergency  
Telephone  
1 (800) 274-5263 or  
1-800-ASHLAND

000010

**ALL CLIMATE 20W50**

Page: 2

**SECTION V-HEALTH HAZARD DATA**

PERMISSIBLE EXPOSURE LEVEL: NOT ESTABLISHED FOR PRODUCT. SEE SECTION II.

EFFECTS OF ACUTE OVEREXPOSURE:

EYES - EXPOSURE IS NOT EXPECTED TO CAUSE EYE IRRITATION OR INJURY.  
SKIN - PROLONGED OR REPEATED CONTACT MAY BE MILDLY IRRITATING TO SKIN AND MAY CAUSE DERMATITIS.  
SWALLOWING - NOT EXPECTED TO BE TOXIC BY INGESTION. PRODUCT HAS LAXATIVE PROPERTIES AND MAY CAUSE NAUSEA, ABDOMINAL CRAMPS AND DIARRHEA.  
INHALATION - NOT EXPECTED TO BE AN INHALATION HAZARD AT NORMAL ROOM TEMPERATURE. HOWEVER, IF EXPOSURES EXCEED THE PEL/TLV OF 5 MG/M3 FOR OIL MIST, THEN INHALATION OF MIST MAY RESULT IN RESPIRATORY IRRITATION AND POSSIBLE DISCOMFORT.

FIRST AID:

IF ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE RE-USE.

IF IN EYES: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

IF SWALLOWED: DO NOT INDUCE VOMITING, KEEP PERSON WARM AND QUIET, AND GET MEDICAL ATTENTION.

IF BREATHED: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION.

EFFECTS OF CHRONIC OVEREXPOSURE:

NONE CURRENTLY KNOWN FOR THE PRODUCT.

CAUTION: USED MOTOR OIL HAS BEEN SHOWN TO CAUSE SKIN CANCER IN CERTAIN LABORATORY ANIMALS CONTINUALLY EXPOSED TO USED MOTOR OIL BY REPEATED APPLICATIONS. AVOID PROLONGED OR REPEATED CONTACT TO SKIN.

**SECTION VI-REACTIVITY DATA**

HAZARDOUS POLYMERIZATION: CANNOT OCCUR

STABILITY: STABLE

INCOMPATIBILITY: AVOID CONTACT WITH:, STRONG OXIDIZING AGENTS

**SECTION VII-SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL.

LARGE SPILL: PREVENT RUN-OFF TO SEWERS, STREAMS OR OTHER BODIES OF WATER. IF RUN-OFF OCCURS, NOTIFY PROPER AUTHORITIES AS REQUIRED, THAT A SPILL HAS OCCURED.

PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE, DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID MAY BE TAKEN UP ON SAND, CLAY, EARTH, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS.

WASTE DISPOSAL METHOD:

SMALL SPILL: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

LARGE SPILL: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

**SECTION VIII-PROTECTIVE EQUIPMENT TO BE USED**

RESPIRATORY PROTECTION: NOT REQUIRED UNDER NORMAL CONDITIONS OF USE. HOWEVER, IF OIL MISTS ARE GENERATED ABOVE RECOMMENDED PEL/TLV OF 5 MG/M3, THEN A NIOSH/MSHA APPROVED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. (SEE YOUR INDUSTRIAL HYGIENIST).

VENTILATION: NOT REQUIRED UNDER NORMAL CONDITIONS OF USE. HOWEVER, IF UNUSUAL OPERATING CONDITIONS EXIST, THEN PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW PEL/TLV (S).

PROTECTIVE GLOVES: NOT NORMALLY REQUIRED. HOWEVER, WEAR RESISTANT GLOVES SUCH AS NITRILE RUBBER TO PREVENT IRRITATION WHICH MAY RESULT FROM PROLONGED OR REPEATED SKIN CONTACT WITH PRODUCT.

EYE PROTECTION: NOT REQUIRED UNDER NORMAL CONDITIONS OF USE. HOWEVER, IF MISTING OR SPLASHING CONDITIONS EXIST, THEN SAFETY GLASSES OR CHEMICAL SPLASH GOGGLES ARE ADVISED.

OTHER PROTECTIVE EQUIPMENT: NORMAL WORK CLOTHING COVERING ARMS AND LEGS.

**SECTION IX-SPECIAL PRECAUTIONS OR OTHER COMMENTS**

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THIS DATASHEET MUST BE OBSERVED.

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.

**SECTION X-LABEL INFORMATION**

**CAUTION!**

MAY CAUSE SLIGHT EYE IRRITATION.

PROLONGED OR REPEATED CONTACT MAY CAUSE SKIN DISORDERS.

CONTINUED ON PAGE: 3

72-62-7925-11

**MATERIAL SAFETY  
DATA SHEET**



**THE VALVOLINE COMPANY**

Division of Ashland Oil, Inc.  
P.O. BOX 14000  
LEXINGTON, KENTUCKY 40512  
(606) 264-7000

24-hour  
Emergency  
Telephone  
1 (800) 274-5263 or  
1-800-ASHLAND

000010

**ALL CLIMATE 20W50**

**Page: 3**

**SECTION X-LABEL INFORMATION (Continued)**

INHALATION OF OIL MIST MAY CAUSE RESPIRATORY IRRITATION.  
SWALLOWING MAY CAUSE STOMACH CRAMPS AND DIARRHEA.

**HANDLING & STORAGE:**

AVOID CONTACT WITH EYES AND SKIN. WEAR SAFETY GLASSES OR GOGGLES, RESISTANT GLOVES, AND OTHER APPROPRIATE PROTECTIVE EQUIPMENT ESSENTIAL FOR YOUR OPERATION. KEEP WORKPLACE AIRBORNE CONCENTRATIONS BELOW LEGAL AND RECOMMENDED LIMITS. USE NIOSH-APPROVED RESPIRATOR IF EXPOSED TO OIL MIST. DO NOT TRANSFER TO UNLABELED CONTAINER. DO NOT USE CUTTING OR WELDING TORCH ON THIS CONTAINER (EVEN EMPTY). BEFORE USE, REVIEW MATERIAL SAFETY DATA SHEET FOR MORE DETAILED INFORMATION, INCLUDING CHRONIC HEALTH EFFECTS.

**FIRST AID:**

EYES: FLUSH THOROUGHLY WITH WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.  
SKIN: WASH EXPOSED AREAS WITH SOAP AND WATER. GET MEDICAL ATTENTION IF SKIN DISORDERS DEVELOP.  
INHALATION: IF AFFECTED BY OIL MIST, REMOVE TO FRESH AIR.  
INGESTION: DO NOT INDUCE VOMITING. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

**CHRONIC INFORMATION:**

OVEREXPOSURE CURRENTLY UNKNOWN FOR THE PRODUCT. CAUTION! USED MOTOR OIL HAS BEEN SHOWN TO CAUSE SKIN CANCER IN CERTAIN LABORATORY ANIMALS CONTINUALLY EXPOSED TO USED MOTOR OIL BY REPEATED APPLICATIONS. AVOID PROLONGED OR REPEATED CONTACT TO SKIN. CONTAINS: PETROLEUM OIL AND PROPRIETARY ENGINE OIL ADDITIVES.

\*\*\* COMPONENTS APPEAR IN SECTION II \*\*\*

72-62-7925-11

**MATERIAL SAFETY  
DATA SHEET**



**THE VALVOLINE COMPANY**

Division of Ashland Oil, Inc.  
P.O. BOX 14000  
LEXINGTON, KENTUCKY 40512  
(606) 264-7000

**24-hour  
Emergency  
Telephone  
1 (800) 274-5263 or  
1-800-ASHLAND**

**DEFINITIONS**

This definition page is intended for use with Material Safety Data Sheets supplied by the Valvoline Oil Company. Recipients of these data sheets should consult the OSHA Safety and Health Standards (29 CFR 1910), particularly subpart G - Occupational Health and Environmental Control, and subpart I - Personal Protective Equipment, for general guidance on control of potential Occupational Health and Safety Hazards.

**SECTION I  
PRODUCT IDENTIFICATION**

**GENERAL OR GENERIC ID:** Chemical family or product description.

**DOT HAZARD CLASSIFICATION:** Product meets DOT criteria for hazards listed.

**SECTION II  
COMPONENTS**

Components are listed in this section if they present a physical or health hazard and are present at or above 1% in the mixture. If a component is identified as a CARCINOGEN by NTP, IARC or OSHA as of the date on the MSDS, it will be listed and footnoted in this section when present at or above 0.1% in the product. Negative conclusions concerning carcinogenicity are not reported. Additional health information may be found in Section V. Components subject to the reporting requirements of Section 313 of SARA Title III are identified in the footnotes in this section, along with typical percentages. Other components may be listed if deemed appropriate.

Exposure recommendations are for components. OSHA Permissible Exposure Limits (PELs) and American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs) appear on the line with the component identification. Other recommendations appear as footnotes.

**SECTION III  
PHYSICAL DATA**

**BOILING POINT:** Of product if known. The lowest value of the components is listed for mixtures.

**VAPOR PRESSURE:** Of product if known. The highest value of the components is listed for mixtures.

**SPECIFIC VAPOR DENSITY:** Compared to AIR = 1. If Specific Vapor Density of product is not known, the value is expressed as lighter or heavier than air.

**SPECIFIC GRAVITY:** Compared to WATER = 1. If Specific Gravity of product is not known, the value is expressed as less than or greater than water.

**pH:** If applicable.

**PERCENT VOLATILES:** Percentage of material with initial boiling point below 425 degrees Fahrenheit and vapor pressure above 0.1mm Hg at 68 F.

**EVAPORATION RATE:** Indicated as faster or slower than ETHYL ETHER, unless otherwise stated.

**SECTION IV  
FIRE AND EXPLOSION DATA**

**FLASH POINT:** Method identified.

**EXPLOSION LIMITS:** For product if known. The lowest value of the components is listed for mixtures.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Known or expected hazardous products resulting from heating, burning or other reactions.

**EXTINGUISHING MEDIA:** Following National Fire Protection Association criteria.

**SECTION IV (cont.)**

**FIREFIGHTING PROCEDURES:** Minimum equipment to protect firefighters from toxic products of vaporization, combustion or decomposition in fire situations. Other firefighting hazards may also be indicated.

**SPECIAL FIRE AND EXPLOSION HAZARDS:** States hazards not covered by other sections.

**NFPA CODES:** Hazard ratings assigned by the National Fire Protection Association.

**SECTION V  
HEALTH HAZARD DATA**

**PERMISSIBLE EXPOSURE LIMIT:** For product.

**THRESHOLD LIMIT VALUE:** For product.

**EFFECTS OF ACUTE OVEREXPOSURE:** Potential local and systemic effects due to single or short term overexposure to the eyes and skin or through inhalation or ingestion.

**EFFECTS OF CHRONIC OVEREXPOSURE:** Potential local and systemic effects due to repeated or long term overexposure to the eyes and skin or through inhalation or ingestion.

**FIRST AID:** Procedures to be followed when dealing with accidental overexposure.

**PRIMARY ROUTE OF ENTRY:** Based on properties and expected use.

**SECTION VI  
REACTIVITY DATA**

**HAZARDOUS POLYMERIZATION:** Conditions to avoid to prevent hazardous polymerization resulting in a large release of energy.

**STABILITY:** Conditions to avoid to prevent hazardous or violent decomposition.

**INCOMPATIBILITY:** Materials and conditions to avoid to prevent hazardous reactions.

**SECTION VII  
SPILL OR LEAK PROCEDURES**

Reasonable precautions to be taken and methods of containment, clean-up and disposal. Consult federal, state and local regulations for accepted procedures and any reporting or notification requirements.

**SECTION VIII  
PROTECTIVE EQUIPMENT TO BE USED**

Protective equipment which may be needed when handling the product.

**SECTION IX  
SPECIAL PRECAUTIONS OR OTHER COMMENTS**

Covers any relevant points not previously mentioned.

**SECTION X  
LABEL INFORMATION**

Contains label information including physical and health hazard warnings, handling and first aid instructions appropriate for the product.

**ADDITIONAL COMMENTS**

Containers should be either reconditioned by CERTIFIED firms or properly disposed of by APPROVED firms. Disposal of containers should be in accordance with applicable laws and regulations. "EMPTY" drums should not be given to individuals. Serious accidents have resulted from the misuse of "EMPTIED" containers (drums, pails, etc.). Refer to Sections IV and IX.