


Ashland *Material Safety Data Sheet*

The Valvoline Company

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MSDS No: 505.0172682-011.001I

ALL FLEET PLUS MOTOR OIL SAE 50

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: ALL FLEET PLUS MOTOR OIL SAE 50

General or Generic ID: PETROLEUM BASED-LUBRICATING OIL

Company

The Valvoline Company
P.O. Box 14000
Lexington, KY 40512

Telephone Numbers

Emergency: 1-800-274-5263
Information: 1-606-357-7847

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
ALIPHATIC PETROLEUM DISTILLATES	64742-65-0	81.0- 91.0
DETERGENT/DISPERSANT ENGINE OIL PACKAGE		9.0- 19.0
ZINC C1-C14 ALKYL DITHIOPHOSPHATE	68649-42-3	1.4- 1.4

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

Unlikely to cause eye irritation or injury.

Skin

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage.

Inhalation

It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Symptoms of Exposure

stomach or intestinal upset (nausea, vomiting, diarrhea),

nitrogen and phosphorus, various hydrocarbons.

Fire and Explosion Hazards

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Dense smoke may be generated while burning.

Extinguishing Media

regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions

Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

NFPA Rating

Health - 1, Flammability - 1, Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

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 occurred. 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.

7. HANDLING AND STORAGE

Handling

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 the data sheet must be observed.

Storage

Not applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

Skin Protection

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; wear normal work clothing covering arms and legs..

Respiratory Protections

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.)

Engineering Controls

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).

Exposure Guidelines

Component

ALIPHATIC PETROLEUM DISTILLATES (64742-65-0)
 OSHA VPEL 5.000 mg/m³ - TWA Oil Mist
 ACGIH TLV 5.000 mg/m³ - TWA Oil Mist

DETERGENT/DISPERSANT ENGINE OIL PACKAGE
 No exposure limits established

ZINC Cl-C14 ALKYL DITHIOPHOSPHATE (68649-42-3)
 No exposure limits established

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point
 No data

Vapor Pressure
 No data

Specific Vapor Density
 No data

Specific Gravity
 .900 @ 60.00 F

Liquid Density
 7.480 lbs/gal @ 60.00 F
 .900 kg/l @ 15.60 C

Percent Volatiles (Including Water)
 No data

Evaporation Rate
 SLOWER THAN ETHYL ETHER

Appearance
 No data

State
 LIQUID

Physical Form
 Not applicable

Color

AMBER

Odor
PETROLEUM

pH
Not applicable

Viscosity
19.0 - 21.0 cst @ 100 C

10. STABILITY AND REACTIVITY

Hazardous Polymerization
Product will not undergo hazardous polymerization.

Hazardous Decomposition
May form: carbon dioxide and carbon monoxide, oxides of sulfur,
nitrogen and phosphorus, various hydrocarbons.

Chemical Stability
Stable.

Incompatibility
Avoid contact with: strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

No data

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATION

Waste Management Information
Dispose of in accordance with all applicable local, state and
federal regulations.

14. TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101

DOT Description:
Not Regulated

Container/Mode:
CASES/SURFACE - NO EXCEPTIONS

NOS Component:
None

RQ (Reportable Quantity) - 49 CFR 172.101
Not applicable

15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status
 TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4
 None

SARA 302 Components - 40 CFR 355 Appendix A
 None

Section 311/312 Hazard Class - 40 CFR 370.2
 Immediate(X) Delayed(X) Fire() Reactive() Sudden
 Release of Pressure()

SARA 313 Components - 40 CFR 372.65

Section 313 Component(s)

CAS Number

 ZINC C1-C14 ALKYLDITHIOPHOSPHATE

68649-42-3

International Regulations

Inventory Status
 Not determined

State and Local Regulations

California Proposition 65
 None

16. OTHER INFORMATION

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.

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