

MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 001  
Date Prepared: 01/14/02  
Date Printed: 04/26/07  
MSDS No: 505.0173308-012.011

HP GEAR OIL 85W-140 1/5 GA

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: HP GEAR OIL 85W-140 1/5 GA  
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: 1-859-357-7206

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
PETROLEUM DISTILLATES	64742-65-0	87.0- 97.0
GEAR OIL ADDITIVE		2.8- 13.0

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3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

Unlikely to cause eye irritation or injury.

Skin

Prolonged or repeated contact may dry and crack the skin.  
Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects).

Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Continued on next page

MATERIAL SAFETY DATA SHEET

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Page 002

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---

Inhalation

Breathing of vapor is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

Symptoms of Exposure

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways), headache.

Target Organ Effects

No data

Developmental Information

There are no data available for assessing risk to the fetus from maternal exposure to this material.

Cancer Information

Based on the available information, this material cannot be classified with regard to carcinogenicity. This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

Other Health Effects

No data

Primary Route(s) of Entry

Inhalation, Skin contact, Eye contact, Ingestion.

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4. FIRST AID MEASURES

Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Continued on next page

MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 003

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---

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Note to Physicians

Preexisting disorders of the following organs ( or organ systems) may be aggravated by exposure to this material: skin.

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5. FIRE FIGHTING MEASURES

Flash Point

> 300.0 F (148.8 C)

Explosive Limit

No data

Autoignition Temperature

No data

Hazardous Products of Combustion

May form: aldehydes, alkyl mercaptans, carbon dioxide and carbon monoxide, hydrogen sulfide, nitrogen oxides, phosphorous oxides, sulfur oxides, toxic fumes, various hydrocarbons.

Continued on next page

MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 004

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---

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, water fog, 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

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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.

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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. Avoid prolonged or repeated contact.

Continued on next page

MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 005

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Storage

Keep containers closed when not in use. Do not store near high heat or open flames.

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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.

Respiratory Protections

Not 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/MSEA 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

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PETROLEUM DISTILLATES (64742-65-0)  
OSHA VPEL 5.000 mg/m<sup>3</sup> - TWA Oil Mist  
ACGIH TLV 5.000 mg/m<sup>3</sup> - TWA Oil Mist

GEAR OIL ADDITIVE

No exposure limits established

Continued on next page

MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 006

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---

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point  
(for component) > 425.0 F (218.3 C)

Vapor Pressure  
Not applicable

Specific Vapor Density  
No data

Specific Gravity  
.906 @ 60.00 F

Liquid Density  
7.550 lbs/gal @ 60.00 F  
.906 kg/l @ 15.60 C

Percent Volatiles (Including Water)  
No data

Evaporation Rate  
No data

Appearance  
No data

State  
LIQUID

Physical Form  
No data

Color  
AMBER

Odor  
PETROLEUM

Continued on next page

MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 007

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pH  
Not applicable

Viscosity  
26.0 - 27.0 cst @ 100 C

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10. STABILITY AND REACTIVITY

Hazardous Polymerization  
Product will not undergo hazardous polymerization.

Hazardous Decomposition  
May form: aldehydes, alkyl mercaptans, carbon dioxide and carbon monoxide, hydrogen sulfide, nitrogen oxides, phosphorous oxides, sulfur oxides, various hydrocarbons.

Chemical Stability  
Stable. Avoid heat, open flame, and prolonged storage at elevated temperatures.

Incompatibility  
Avoid contact with: strong oxidizing agents.

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11. TOXICOLOGICAL INFORMATION

No data

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12. ECOLOGICAL INFORMATION

No data

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13. DISPOSAL CONSIDERATION

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

Continued on next page

MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 008

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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

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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( ) Fire( ) Reactive( ) Sudden  
Release of Pressure( )

SARA 313 Components - 40 CFR 372.65

None

International Regulations

Inventory Status

AICS (AUSTRALIA) The intentional ingredients of this product are listed.

DSL (CANADA) The intentional ingredients of this product are listed.

ECL (SOUTH KOREA) The intentional ingredients of this product are listed.

ENCS (JAPAN) The intentional ingredients of this product are

Continued on next page



MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 009

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MSDS No: 505.0173308-012.011

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listed.

PICCS (PHILIPPINES) The intentional ingredients of this product are listed.

State and Local Regulations

California Proposition 65

None

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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.

Last page