

MATERIAL SAFETY DATA SHEET

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Date Prepared: 01-14-02  
Date Printed: 12/05/03  
MSDS No: 0366793-002.002

Parts Master 5W20

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Parts Master 5W20

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

Inqredient(s)	CAS Number	% (by weight)
PETROLEUM DISTILLATE	64742-54-7	49.0- 59.0
ALIPHATIC PETROLEUM DISTILLATES	64742-65-0	24.0- 34.0
ZINC COMPOUNDS		0.6- 1.2

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3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

May cause mild eye irritation.

Skin

May cause mild skin irritation. Prolonged or repeated contact may dry and crack the skin.

Swallowing

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

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**Inhalation**

It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

**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), pain in the abdomen.

**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**

Used motor oil has been shown to cause skin cancer in laboratory animals continually exposed by repeated applications. Avoid prolonged or repeated skin contact.

**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.

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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**

>= 390.0 F (198.8 C) COC

**Explosive Limit**

No data

**Autoignition Temperature**

No data

**Hazardous Products of Combustion**

May form: carbon dioxide and carbon monoxide, nitrogen oxides, sulfur oxides, various hydrocarbons, zinc oxide.

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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.

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Storage

Keep containers closed when not in use.

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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., 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

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PETROLEUM DISTILLATE (64742-54-7)

OSHA VPEL 5.000 mg/m3 - TWA

ACGIH TLV 5.000 mg/m3 - TWA

ALIPHATIC PETROLEUM DISTILLATES (64742-65-0)

OSHA VPEL 5.000 mg/m3 - TWA

ACGIH TLV 5.000 mg/m3 - TWA

ZINC COMPOUNDS

No exposure limits established

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9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point  
No data

Vapor Pressure  
No data

Specific Vapor Density  
No data

Specific Gravity  
.861 @ 60.00 F

Liquid Density  
7.150 lbs/gal @ 60.00 F  
.861 kg/l @ 15.60 C

Percent Volatiles (Including Water)  
No data

Evaporation Rate  
No data

Appearance  
VISCIOUS

State  
LIQUID

Physical Form  
No data

Color  
AMBER

odor  
HYDROCARBON

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pH  
No data

Viscosity  
    <= 2800.0 cps  
    >= 3500.0 cps  
    8.0 - 9.0 cst

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10. STABILITY AND REACTIVITY

Hazardous Polymerization  
    Product will not undergo hazardous polymerization.

Hazardous Decomposition  
    May form: carbon dioxide and carbon monoxide, hydrogen sulfide,  
    methacrylate, nitrogen oxides, sulfur oxides, various  
    hydrocarbons, zinc oxide.

Chemical Stability  
    Stable.

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.

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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

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

SARA 313 Components - 40 CFR 372.65  
Section 313 Component(s) CAS Number

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ZINC COMPOUNDS

International Regulations

Inventory Status  
Not determined

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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.

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