

MATERIAL SAFETY DATA SHEET

VALVOLINE CUMMINS LTD.

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Date Issued: **May 28, 2003**
No: **043052003**

Valvoline Premium Blue 15W-40

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Valvoline Premium Blue 15W-40

Company

Valvoline Cummins Ltd.
278, Udyog Vihar, Phase - II
Gurgaon – 122016

Telephone Numbers

Emergency: 91-124 4721200

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	%(by weight)
PARAFFINIC MINERAL OIL	64742-54-7	74.0- 84.0
ENGINE OIL ADDITIVE		8.0- 18.0
ZINC COMPOUNDS		1.0- 6.0

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

May cause mild eye irritation.

Skin

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.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects.

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).

Target Organ Effects

No data

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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.

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.

Skin

First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.

Swallowing

First aid is not normally required. If symptoms develop, seek medical attention.

Inhalation

First aid is not normally required. If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention.

Note to Physicians

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

5. FIRE FIGHTING MEASURES

Flash Point

224°C, COC

Explosive Limit

No data

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Autoignition Temperature

No data

Hazardous Products of Combustion

May formaldehydes, alkyl mercaptans, calcium oxide, carbon dioxide and carbon monoxide, hydrogen sulfide, sulfur oxides, various hydrocarbons.

Fire and Explosion Hazards

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-face piece operated in the positive pressure demand mode with appropriate turnout 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. Avoid prolonged or repeated contact.

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Storage

Keep containers closed when not in use.

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/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

PARAFFINIC MINERAL OIL (64742-54-7)
OSHA VPEL 5.000 mg/m³ - TWA
ACGIH TLV 5.000 mg/m³ - TWA

ENGINE OIL ADDITIVE
No exposure limits established

ZINC COMPOUNDS
No exposure limits established

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point

(for component) > 425.0 F (218.3 C)

Vapor Pressure

No data

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Specific Vapor Density

No data

Specific Gravity

.880 @ 60.00 F

Liquid Density

.880 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

No data

Odor

PETROLEUM

pH

No data

Viscosity

<6700	cP	@	-20°C
14.5 - 15.5	cSt	@	100°C

10. STABILITY AND REACTIVITY

Hazardous Polymerization

Product will not undergo hazardous polymerization.

Hazardous Decomposition

May formaldehydes, alkyl mercaptans, calcium oxide, carbon dioxide and carbon monoxide, hydrogen sulfide, sulfur oxides, various hydrocarbons.

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Chemical Stability

Stable.

Incompatibility

Avoid contact with: acids, halogenated hydrocarbons, halogens, 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

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15. REGULATORY INFORMATION

CLASSIFICATION

NOT CLASSIFIED	

Composition

R-Phrases

S-Phrases

PETROLEUM PRODUCT

Avoid repeated skin contact

If swallowed, do not bring induce vomiting – seek medical advise

Spare the nature of oil products

Keep out of the reach of children

16. OTHER INFORMATION

Usage and restriction: Lubricant for high-speed diesel engines.

Datasheets are developed on the basis of information given by producers/ suppliers of inputs and the existing regulations for classification and labeling of chemicals.

This product must be used, handled and applied in accordance with the requirements of the equipment manufacturer's manuals, bulletins and other documentation.

17. DISCLAIMER

The information contained in this data sheet is, and to the best of our knowledge, true and accurate, recommendations are based on presently known facts. It is the responsibility of the user in their own interest to ensure that the appropriate recommendations/precautions are adhered to.