

VALVOLINE® 4-STROKE  
MOTORCYCLE OIL CV SAE 10W-40  
MOTORCYCLE 4 CYCLE MOTOR  
OIL VV740

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

|                    |                               |                                   |
|--------------------|-------------------------------|-----------------------------------|
| Ashland            | Regulatory Information Number | 1-800-325-3751                    |
| P.O. Box 2219      | Telephone                     | 614-790-3333                      |
| Columbus, OH 43216 | Emergency telephone           | 1-800-ASHLAND<br>(1-800-274-5263) |

|                         |  |
|-------------------------|--|
| Product name            | VALVOLINE® 4-STROKE MOTORCYCLE OIL CV<br>SAE 10W-40 MOTORCYCLE 4 CYCLE MOTOR OIL |
| Product code            | VV740  |
| Product Use Description | No data  |

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

Appearance: liquid

CAUTION! PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.

**Potential Health Effects**

**Routes of exposure**

Inhalation, Skin contact, Eye Contact, Ingestion

**Eye contact**

Unlikely to cause eye irritation or injury.

**Skin contact**

Unlikely to cause skin irritation or injury. Prolonged or repeated contact may dry and crack the skin. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

**Ingestion**

Swallowing this material is not likely to be harmful.

**Inhalation**

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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. Breathing large amounts may be harmful.

**Aggravated Medical Condition**

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions)

**Symptoms**

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 Organs**

No data

**Carcinogenicity**

This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA). Used motor oil has been shown to cause skin cancer in laboratory animals continually exposed by repeated applications. Avoid prolonged or repeated skin contact.

**Reproductive hazard**

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

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Components   | CAS-No.    | Concentration |
|--|------------|---------------|
| DISTILLATES (PETROLEUM),<br>HYDROTREATED HEAVY PARAF | 64742-54-7 | >=90-<=100%   |

**4. FIRST AID MEASURES**

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**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.

**Ingestion**

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

**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.

**Notes to physician**

**Hazards:** Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs (i.e. lipoid pneumonia) that may progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of the upper respiratory tract, shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

**Treatment:** No information available.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Water mist, Carbon dioxide (CO<sub>2</sub>), Dry chemical

**Hazardous combustion products**

carbon dioxide and carbon monoxide, various hydrocarbons, oxides of sulfur, nitrogen and phosphorus, zinc oxide

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**Precautions for fire-fighting**

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. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). DO NOT direct a solid stream of water or foam into hot, burning pools of liquid since this may cause frothing and increase fire intensity. Frothing can be violent and possibly endanger any firefighter standing too close to the burning liquid.

**Flammability Class for Flammable Liquids**

Combustible Liquid Class IIIB

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

No data

**Environmental precautions**

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.

**Methods for cleaning up**

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. Absorb liquid on vermiculite, floor absorbent or other absorbent material.

**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.

**Storage**

Store in a cool, dry, ventilated area, away from incompatible substances. Keep containers closed when not in use.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

#### General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

#### Exposure controls

General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

#### Eye protection

Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

#### Skin and body 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 including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

#### Respiratory protection

Respiratory protection is not required under normal conditions of use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                |         |
|----------------|---------|
| Physical state | liquid  |
| Form           | No data |

**ASHLAND**  
**SAFETY DATA SHEET**

Page: 6  
Revision Date: 05/15/2008  
Print Date: 2/24/2009  
MSDS Number: R0369818  
Version: 1.9

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|   |  |
|---|--|
| <b>Colour</b>                                 | No data  |
| <b>Odour</b>                                  | No data  |
| <b>Boiling point/boiling range</b>            | No data  |
| <b>pH</b>                                     | No data  |
| <b>Flash point</b>                            | (>)390 °F / 199 °C, Cleveland open cup         |
| <b>Evaporation rate</b>                       | No data  |
| <b>Explosion limits</b>                       | No data  |
| <b>Vapour pressure</b>                        | No data  |
| <b>Vapour density</b>                         | No data  |
| <b>Density</b>                                | 0.8794 g/cm <sup>3</sup> @ 60.01 °F / 15.56 °C |
|   | No data  |
| <b>Solubility</b>                             | No data  |
| <b>Partition coefficient: n-octanol/water</b> | No data  |
| <b>log Pow</b>                                | no data available                              |
| <b>Autoignition temperature</b>               | No data  |

**10. STABILITY AND REACTIVITY**

**Stability**

Stable.

**Conditions to avoid**

None known.

**Incompatible products**

strong oxidizing agents

**Hazardous decomposition products**

carbon dioxide and carbon monoxide, various hydrocarbons, oxides of sulfur, nitrogen and phosphorus, zinc oxide

**Hazardous reactions**

Product will not undergo hazardous polymerization.

**Thermal decomposition**

No data

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**11. TOXICOLOGICAL INFORMATION**

**Acute oral toxicity**

|  |                      |
|--|----------------------|
| DISTILLATES (PETROLEUM),<br>HYDROTREATED HEAVY PARAF | LD 50 Rat: > 15 g/kg |
|--|----------------------|

**Acute inhalation toxicity**

|  |                   |
|--|-------------------|
| DISTILLATES (PETROLEUM),<br>HYDROTREATED HEAVY PARAF | no data available |
|--|-------------------|

**Acute dermal toxicity**

|  |                        |
|--|------------------------|
| DISTILLATES (PETROLEUM),<br>HYDROTREATED HEAVY PARAF | LD 50 Rabbit: > 5 g/kg |
|--|------------------------|

**12. ECOLOGICAL INFORMATION**

**Aquatic toxicity**

**Acute and Prolonged Toxicity to Fish**

No data

**Acute Toxicity to Aquatic Invertebrates**

No data

**Environmental fate and pathways**

No data

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal methods**

Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution's Environmental Services Group at 800-637-7922.

**14. TRANSPORT INFORMATION**

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Dangerous goods descriptions (if indicated above) may not reflect package size, quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

**15. REGULATORY INFORMATION**

**California Prop. 65**

Proposition 65 warnings are not required for this product based on the results of a risk assessment.

**SARA Hazard Classification** Acute Health Hazard

**SARA 313 Component(s)**

|                     |            |         |
|---------------------|------------|---------|
| ZINC                | 68988-45-4 | 1.1108% |
| ALKYLDITHIOPHOSPHAT |            |         |
| E                   |            |         |

**Reportable quantity - Components**

|  |            |      |
|--|------------|------|
| DISTILLATES (PETROLEUM),<br>HYDROTREATED HEAVY PARAF | 64742-54-7 | none |
|--|------------|------|

|             | <b>Health</b> | <b>Flammability</b> | <b>Reactivity</b> | <b>Other</b> |
|-------------|---------------|---------------------|-------------------|--------------|
| <b>HMIS</b> | 1             | 1                   | 0                 |              |
| <b>NFPA</b> | 1             | 1                   | 0                 |              |

**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. This MSDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).