



**SAFETY DATA SHEET**  
Valvoline™ DAILY PROTECTION SAE 10W-30  
Motor Oil

Version: 8.0

Revision Date: 12/02/2019

Print Date:  
06/22/2020

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier**

Trade name : Valvoline™ DAILY PROTECTION SAE 10W-30  
Motor Oil

Product code : 797578

|  |   |
|--|---|
| <b>Details of the supplier of the safety data sheet</b><br>Valvoline LLC<br>100 Valvoline Way<br>Lexington, KY 40509<br>United States of America (USA)<br>1-800-TEAMVAL (1-800-832-6825) | <b>Emergency telephone number</b><br>+1-800-VALVOLINE (+1-800-825-8654) |
| SDS@valvoline.com  | <b>Regulatory Information Number</b><br>1-800-TEAMVAL (1-800-832-6825)  |
|  | <b>Product Information</b><br>1-800-TEAMVAL (1-800-832-6825)            |

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification**

Skin corrosion/irritation : Category 3

Serious eye damage/eye irritation : Category 2A

**GHS label elements**

Hazard pictograms :



Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.  
H316 Causes mild skin irritation.

Precautionary statements : **Prevention:**  
P280 Wear eye protection/ face protection.  
P264 Wash skin thoroughly after handling.  
**Response:**  
P337 + P313 If eye irritation persists: Get medical advice/  
attention.



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P332 + P313 If skin irritation occurs: Get medical advice/  
attention.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water  
for several minutes. Remove contact lenses, if present and  
easy to do. Continue rinsing.

**Other hazards which do not result in classification**

No information available.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous components**

| Chemical name         | CAS-No.    | Classification   | Concentration (%)  |
|-----------------------|------------|--|--------------------|
| PETROLEUM DISTILLATES | 64742-54-7 | Not a hazardous substance or mixture.  | >= 70.00 - < 90.00 |
| PETROLEUM DISTILLATES | 64742-55-8 | Asp. Tox. 1; H304  | >= 1.00 - < 10.00  |
| PETROLEUM DISTILLATES |            | Not a hazardous substance or mixture.  | >= 1.00 - < 10.00  |
| zinc compound         | 2215-35-2  | Acute Tox. 5; H303<br>Skin Corr/Irr 2; H315<br>Eye Corr/Irr 1; H318<br>Aquatic Acute 2; H401<br>Aquatic Chronic 2;<br>H411 | >= 1.00 - < 2.50   |

**SECTION 4. FIRST AID MEASURES**



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|   |  |
|---|--|
| General advice  | : No hazards which require special first aid measures.   |
| If inhaled  | : If breathed in, move person into fresh air.<br>If unconscious, place in recovery position and seek medical advice.<br>If symptoms persist, call a physician.   |
| In case of skin contact                                     | : First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.   |
| In case of eye contact                                      | : Remove contact lenses.<br>Protect unharmed eye.  |
| If swallowed  | : Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.   |
| Most important symptoms and effects, both acute and delayed | : No symptoms known or expected.<br>Causes serious eye irritation.<br>Causes mild skin irritation.<br>Causes serious eye irritation.<br>Causes mild skin irritation.<br>Causes serious eye irritation.<br>Causes mild skin irritation.<br>Causes serious eye irritation.<br>Causes mild skin irritation.<br>Causes serious eye irritation. |
| Notes to physician  | : No hazards which require special first aid measures.   |

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**SECTION 5. FIREFIGHTING MEASURES**

|                                      |   |
|--------------------------------------|---|
| Suitable extinguishing media         | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br>Water spray<br>Foam<br>Carbon dioxide (CO <sub>2</sub> )<br>Dry chemical |
| Specific hazards during firefighting | : Do not allow run-off from fire fighting to enter drains or water courses.   |
| Hazardous combustion products        | : carbon dioxide and carbon monoxide<br>Hydrocarbons  |
| Specific extinguishing methods       | : Standard procedure for chemical fires.  |



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Product is compatible with standard fire-fighting agents.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Comply with all applicable federal, state, and local regulations.

Environmental precautions : Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8.

Materials to avoid : No materials to be especially mentioned.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Components with workplace control parameters**

| Components                                 | CAS-No.    | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis  |
|--|------------|-------------------------------|--|--------|
| Lubricating oils (petroleum), hydrotreated | 64742-58-1 | L-8/40                        | 0.2 mg/m3                                      | VE OEL |
|  |            | TWA                           | 5 mg/m3  | CR OEL |
| PETROLEUM DISTILLATES                      | 64742-54-7 | CMP (Mist)                    | 5 mg/m3 Mist                                   | AR OEL |
|  |            | CMP - CPT (Mist)              | 10 mg/m3 Mist                                  | AR OEL |
|  |            | TWA (Mist)                    | 5 mg/m3 Mist                                   | PE OEL |
|  |            | STEL (Mist)                   | 10 mg/m3                                       | PE OEL |



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|  |  |               |                  |        |
|--|--|---------------|------------------|--------|
|  |  |               | Mist             |        |
|  |  | L-8/40 (Mist) | 5 mg/m3<br>Mist  | VE OEL |
|  |  | LB (Mist)     | 10 mg/m3<br>Mist | VE OEL |
|  |  | CPT (Mist)    | 5 mg/m3<br>Mist  | PA OEL |
|  |  | CCT (Mist)    | 10 mg/m3<br>Mist | PA OEL |
|  |  | L-8/40        | 0.2 mg/m3        | VE OEL |
|  |  | TWA           | 5 mg/m3          | CR OEL |

**Engineering measures** : 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.

**Personal protective equipment**

- Respiratory protection : No personal respiratory protective equipment normally required.
- 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 : Wear as appropriate:  
Safety shoes
- Hygiene measures : General industrial hygiene practice.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : liquid
- Odour : No data available
- Odour Threshold : No data available
- pH : No data available
- Melting point/freezing point : No data available
- Boiling point/boiling range : No data available
- Flash point : 201 - 249 °C



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Method: Cleveland open cup

|  |   |   |
|--|---|---|
| Evaporation rate                                 | : | No data available                                     |
| Flammability (solid, gas)                        | : | No data available                                     |
| Self-ignition                                    | : | No data available                                     |
| Upper explosion limit / Upper flammability limit | : | No data available                                     |
| Lower explosion limit / Lower flammability limit | : | No data available                                     |
| Vapour pressure                                  | : | 0.0133333 hPa (21.11 °C)<br>Calculated Vapor Pressure |
| Relative vapour density                          | : | No data available                                     |
| Relative density                                 | : | 0.868 (15.56 °C)                                      |
| Density  | : | 0.864 g/cm <sup>3</sup>                               |
| Solubility(ies)                                  |   |   |
| Water solubility                                 | : | No data available                                     |
| Solubility in other solvents                     | : | No data available                                     |
| Partition coefficient: n-octanol/water           | : | No data available                                     |
| Decomposition temperature                        | : | No data available                                     |
| Viscosity  |   |   |
| Viscosity, dynamic                               | : | No data available                                     |
| Viscosity, kinematic                             | : | 70 mm <sup>2</sup> /s ( 40 °C)                        |
| Oxidizing properties                             | : | No data available                                     |

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**SECTION 10. STABILITY AND REACTIVITY**

|                                    |   |   |
|------------------------------------|---|---|
| Reactivity                         | : | No decomposition if stored and applied as directed. |
| Chemical stability                 | : | Stable under recommended storage conditions.        |
| Possibility of hazardous reactions | : | Product will not undergo hazardous polymerization.  |



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Conditions to avoid : None known.  
Incompatible materials : Strong oxidizing agents  
Hazardous decomposition products : No hazardous decomposition products are known.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method  
Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method  
Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method  
Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

**Components:**

**PETROLEUM DISTILLATES:**

Acute oral toxicity : LD50 (Rat): > 15 g/kg  
Acute dermal toxicity : LD50 (Rabbit): > 5 g/kg

**zinc compound:**

Acute oral toxicity : LD50 (Rat): 2,230 mg/kg  
GLP: no  
Acute inhalation toxicity : LC50 (Rat): > 2.3 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: Not classified as acutely toxic by inhalation under GHS.  
Remarks: Information given is based on data obtained from similar substances.  
Acute dermal toxicity : LD50 (Rabbit): > 3,160 mg/kg  
Method: OECD Test Guideline 402  
Assessment: Not classified as acutely toxic by dermal absorption under GHS.



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**Skin corrosion/irritation**

Causes mild skin irritation.  
Not classified based on available information.  
Causes mild skin irritation.  
Not classified based on available information.

**Components:**

PETROLEUM DISTILLATES:

Result: **Slight, transient irritation**

PETROLEUM DISTILLATES:

Result: **Slight, transient irritation**

PETROLEUM DISTILLATES:

Result: **Slight, transient irritation**

zinc compound:

Species: **Rabbit**  
Method: **OECD Test Guideline 404**  
Result: **Irritating to skin.**  
GLP: **yes**

**Serious eye damage/eye irritation**

Causes serious eye irritation.  
Not classified based on available information.  
Causes serious eye irritation.

**Product:**

Remarks: Unlikely to cause eye irritation or injury.

**Components:**

PETROLEUM DISTILLATES:

Result: **No eye irritation**

PETROLEUM DISTILLATES:

Result: **Slight, transient irritation**

PETROLEUM DISTILLATES:

Result: **Slight, transient irritation**





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zinc compound:

Result: **Corrosive**

**Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

**Components:**

zinc compound:

Species: **Guinea pig**

Assessment: **Did not cause sensitisation on laboratory animals.**

Method: **OECD Test Guideline 406**

Result: **Did not cause sensitisation on laboratory animals.**

GLP: **yes**

**Germ cell mutagenicity**

Not classified based on available information.

**Components:**

zinc compound:

Genotoxicity in vitro

: Test Type: **Ames test**

Test species: **Salmonella typhimurium**

Metabolic activation: **with and without metabolic activation**

Result: **negative**

**Carcinogenicity**

Not classified based on available information.

**Components:**

PETROLEUM DISTILLATES:

Carcinogenicity -

: **Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L)**

Assessment

PETROLEUM DISTILLATES:

Carcinogenicity -

: **Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L)**

Assessment

PETROLEUM DISTILLATES:

Carcinogenicity -

: **Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L)**

Assessment

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**



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Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Product:**

No aspiration toxicity classification

**Components:**

PETROLEUM DISTILLATES:

No aspiration toxicity classification

PETROLEUM DISTILLATES:

May be fatal if swallowed and enters airways.

**Further information**

**Product:**

Remarks: No data available

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Product:**

Further information

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 13.4699 %

**Components:**

PETROLEUM DISTILLATES:

|   |  |
|---|--|
| Toxicity to fish                                    | : LL50 (Fish): > 100 mg/l<br>Exposure time: 96 h                     |
| Toxicity to daphnia and other aquatic invertebrates | : EL50 (Aquatic invertebrates): > 10,000 mg/l<br>Exposure time: 48 h |
| Toxicity to algae                                   | : EL50 (Algae, algal mat (Algae)): > 100 mg/l<br>Exposure time: 72 h |
| Toxicity to fish (Chronic toxicity)                 | : NOEC (Fish): 10 mg/l   |
| Toxicity to daphnia and other aquatic invertebrates | : NOEC (Aquatic invertebrates): 10 mg/l                              |



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(Chronic toxicity)

zinc compound:

|  |   |
|--|---|
| Toxicity to fish   | : LL50 ( <i>Oncorhynchus mykiss</i> (rainbow trout)): 4.5 mg/l<br>Exposure time: 96 h<br>Test Type: semi-static test<br>Method: OECD Test Guideline 203<br>Remarks: Information given is based on data obtained from similar substances.  |
| Toxicity to daphnia and other aquatic invertebrates                    | : EL50 ( <i>Daphnia magna</i> (Water flea)): 23 mg/l<br>Exposure time: 48 h<br>Method: OECD Test Guideline 202<br>GLP: yes  |
| Toxicity to algae  | : NOEL ( <i>Desmodesmus subspicatus</i> (green algae)): 10 mg/l<br>End point: Growth inhibition<br>Exposure time: 72 h<br>Test Type: static test<br>Test substance: WAF<br>Method: OECD Test Guideline 201<br>Remarks: Information given is based on data obtained from similar substances. |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : NOEC ( <i>Daphnia magna</i> (Water flea)): 0.4 mg/l<br>Exposure time: 21 d<br>Test substance: WAF<br>Method: OECD Test Guideline 211<br>Remarks: Information given is based on data obtained from similar substances.   |

**Persistence and degradability**

**Components:**

zinc compound:

|                  |   |
|------------------|---|
| Biodegradability | : Result: Not readily biodegradable.<br>Biodegradation: 1.5 %<br>Exposure time: 28 d<br>Method: OECD Test Guideline 301B<br>Remarks: Information given is based on data obtained from similar substances. |
|------------------|---|

No data available

**Bioaccumulative potential**

**Components:**

PETROLEUM DISTILLATES:

|  |                         |
|--|-------------------------|
| Partition coefficient: n-octanol/water | : log Pow: Expected > 7 |
|--|-------------------------|

No data available



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**Mobility in soil**

**Components:**

No data available

**Other adverse effects**

No data available

**Product:**

Additional ecological information : No data available

**Components:**

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**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Contaminated packaging : Empty remaining contents.

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**SECTION 14. TRANSPORT INFORMATION**

**International Regulations**

**UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

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

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**SECTION 15. REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Chemical Control Order (CCO) : Not applicable

Priority Chemical List (PCL) : Not applicable

**Other international regulations**

**The components of this product are reported in the following inventories:**

DSL : All components of this product are on the Canadian DSL



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|       |   |
|-------|---|
| AICS  | : On the inventory, or in compliance with the inventory |
| ENCS  | : On the inventory, or in compliance with the inventory |
| KECI  | : On the inventory, or in compliance with the inventory |
| PICCS | : On the inventory, or in compliance with the inventory |
| IECSC | : On the inventory, or in compliance with the inventory |
| TCSI  | : On the inventory, or in compliance with the inventory |
| TSCA  | : On TSCA Inventory                                     |

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

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**SECTION 16. OTHER INFORMATION**

**Further information**

Internal information : R0170829

**Full text of H-Statements**

|      |  |
|------|--|
| H303 | May be harmful if swallowed.                     |
| H304 | May be fatal if swallowed and enters airways.    |
| H315 | Causes skin irritation.                          |
| H318 | Causes serious eye damage.                       |
| H401 | Toxic to aquatic life.                           |
| H411 | Toxic to aquatic life with long lasting effects. |

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 SDS has been prepared by Valvoline's Environmental Health and Safety Department (1-800-VALVOLINE).

Sources of key data used to compile the Safety Data Sheet  
Valvoline internal data including own and sponsored test reports



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The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS : Chemical Abstracts Service (Division of the American Chemical Society).

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

FG : Food grade

GHS : Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA : International Air Transport Association.

IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization

ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"

IMDG : International Maritime Code for Dangerous Goods

ISO : International Organization for Standardization

logPow : octanol-water partition coefficient

LCxx : Lethal Concentration, for xx percent of test population

LDxx : Lethal Dose, for xx percent of test population.

ICxx : Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx

N.O.S.: Not Otherwise Specified

OECD : Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit

P-Statement : Precautionary Statement

PBT : Persistent , Bioaccumulative and Toxic

PPE : Personal Protective Equipment

STEL : Short-term exposure limit

STOT : Specific Target Organ Toxicity

TLV : Threshold Limit Value

TWA : Time-weighted average

vPvB : Very Persistent and Very Bioaccumulative

WEL : Workplace Exposure Level

**CEATOX**

Assistance Center of the Institute of Toxicology

Children's Hospital Clinic, Faculty of Medicine

University of São Paulo.

BR OEL : Occupational Exposure Limit (Brazil)

UY OEL : Occupational Exposure Limit (Uruguay)

PY OEL : Occupational Exposure Limit (Paraguay)