



**SAFETY DATA SHEET**  
Auto Pride® 0W20 SYNTHETIC Motor Oil

Version: 4.0

Revision Date: 02/26/2020

Print Date:  
03/17/2020

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier**

Trade name : Auto Pride® 0W20 SYNTHETIC  
Motor Oil

Product code : 808118

**Relevant identified uses of the substance or mixture and uses advised against**

Recommended use : Engine, gear & lubricating oil.

|   |   |
|---|---|
| <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)<br><br>SDS@valvoline.com | <b>Emergency telephone number</b><br>+1-800-VALVOLINE (+1-800-825-8654)<br><br><b>Regulatory Information Number</b><br>1-800-TEAMVAL (1-800-832-6825)<br><br><b>Product Information</b><br>1-800-TEAMVAL (1-800-832-6825) |
|---|---|

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification**

Not a hazardous substance or mixture.

**GHS label elements**

Not a hazardous substance or mixture.

**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 | Asp. Tox. 1; H304 | >= 50.00 - < 70.00 |



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|   |            |   |                   |
|---|------------|---|-------------------|
| PETROLEUM DISTILLATES                                 | 64742-54-7 | Not a hazardous substance or mixture.   | >= 1.00 - < 10.00 |
| Branched alkylphenol and Calcium branched alkylphenol | 74499-35-7 | Skin Corr/Irr 2; H315<br>Eye Corr/Irr 2A; H319<br>Repr. 1B; H360F<br>Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410 | >= 0.025 - < 0.10 |

**SECTION 4. FIRST AID MEASURES**

- General advice : No hazards which require special first aid measures.
- If inhaled : If breathed in, move person into fresh air.  
If unconscious, place in recovery position and seek medical advice.  
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.  
Protect unharmed eye.
- If swallowed : Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : No symptoms known or expected.
- 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.  
Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
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
- Specific extinguishing methods : Standard procedure for chemical fires.
- Product is compatible with standard fire-fighting agents.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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## 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.

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## 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.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



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**Components with workplace control parameters**

| Components  | CAS-No.          | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis      |
|---|------------------|----------------------------------|---|------------|
| DISTILLATES (PETROLEUM)                                   | 64742-65-0       | CMP (Mist)                       | 5 mg/m3<br>Mist                                   | AR OEL     |
|   |                  | CMP - CPT (Mist)                 | 10 mg/m3<br>Mist                                  | AR OEL     |
|   |                  | TWA (Mist)                       | 5 mg/m3<br>Mist                                   | PE OEL     |
|   |                  | STEL (Mist)                      | 10 mg/m3<br>Mist                                  | PE OEL     |
|   |                  | 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     |
|   |                  | TWA                              | 5 mg/m3   | CR OEL     |
|   |                  | L-8/40                           | 0.2 mg/m3   | VE OEL     |
| CATALYTIC DE WAXED<br>HEAVY PARAFFINIC OIL<br>(PETROLEUM) | 64742-70-7       | CMP (Mist)                       | 5 mg/m3<br>Mist                                   | AR OEL     |
|   |                  | CMP - CPT (Mist)                 | 10 mg/m3<br>Mist                                  | AR OEL     |
|   |                  | TWA (Mist)                       | 5 mg/m3<br>Mist                                   | PE OEL     |
|   |                  | STEL (Mist)                      | 10 mg/m3<br>Mist                                  | PE OEL     |
|   |                  | 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     |
|   |                  | PETROLEUM DISTILLATES            | 64741-89-5  | CMP (Mist) |
| CMP - CPT (Mist)  | 10 mg/m3<br>Mist |                                  |   | AR OEL     |
| TWA (Mist)  | 5 mg/m3<br>Mist  |                                  |   | PE OEL     |



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|  |  |               |                  |        |
|--|--|---------------|------------------|--------|
|  |  | STEL (Mist)   | 10 mg/m3<br>Mist | PE OEL |
|  |  | 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 |
|  |  | 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.

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**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 : 220 °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                                  | : | No data available                |
| Relative vapour density                          | : | No data available                |
| Relative density                                 | : | No data available                |
| Density  | : | 0.843 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                             | : | 45.4 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.  |
| Conditions to avoid                | : | None known.   |



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Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : No hazardous decomposition products are known.

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**SECTION 11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

Not classified based on available information.

**Components:**

**PETROLEUM DISTILLATES:**

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

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

**PETROLEUM DISTILLATES:**

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

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

**Skin corrosion/irritation**

Not classified based on available information.

**Components:**

**PETROLEUM DISTILLATES:**

Result: Slight, transient irritation

**PETROLEUM DISTILLATES:**

Result: Slight, transient irritation

**Branched alkylphenol and Calcium branched alkylphenol:**

Result: Irritating to skin.

**Serious eye damage/eye irritation**

Not classified based on available information.

**Product:**

Remarks: Unlikely to cause eye irritation or injury.

**Components:**

**PETROLEUM DISTILLATES:**



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Result: **No eye irritation**

**PETROLEUM DISTILLATES:**

Result: **No eye irritation**

**Branched alkylphenol and Calcium branched alkylphenol:**

Result: **Irritating to eyes.**

**Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Components:**

**PETROLEUM DISTILLATES:**

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

**Reproductive toxicity**

Not classified based on available information.

**Components:**

**Branched alkylphenol and Calcium branched alkylphenol:**

Reproductive toxicity - Assessment : **Clear evidence of adverse effects on sexual function and fertility, based on animal experiments.**

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Components:**

**PETROLEUM DISTILLATES:**

**May be fatal if swallowed and enters airways.**

**PETROLEUM DISTILLATES:**

**No aspiration toxicity classification**





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**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: 30.0798 %

**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 (Chronic toxicity) | : NOEC (Aquatic invertebrates): 10 mg/l                              |

**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 (Chronic toxicity) | : NOEC (Aquatic invertebrates): 10 mg/l                              |



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Branched alkylphenol and Calcium branched alkylphenol:  
Ecotoxicology Assessment

Short-term (acute) aquatic hazard : **Very toxic to aquatic life.**

Long-term (chronic) aquatic hazard : **Very toxic to aquatic life with long lasting effects.**

**Persistence and degradability**

**Components:**

No data available

**Bioaccumulative potential**

**Components:**

PETROLEUM DISTILLATES:

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

No data available

**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



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**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

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 : Not 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 : 000000272132

**Full text of H-Statements**

H304 May be fatal if swallowed and enters airways.



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|       |   |
|-------|---|
| H315  | Causes skin irritation.                               |
| H319  | Causes serious eye irritation.                        |
| H360F | May damage fertility.                                 |
| H400  | Very toxic to aquatic life.                           |
| H410  | Very 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  
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



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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)