



# SAFETY DATA SHEET

Valvoline™ VR1 Racing™ SAE 10W-30 Motor Oil

Version: 1.5

Revision Date: 02/03/2022

Print Date:  
09/21/2022

GHS classification in accordance with the Hazardous Products Regulations

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

Trade name : Valvoline™ VR1 Racing™ SAE 10W-30 Motor Oil  
Product code : 822388

### Details of the supplier of the safety data sheet

Valvoline Canada Corp  
905 Winston Churchill Blvd  
Mississauga ON L5J 4P2  
Canada  
1-800-TEAMVAL (1-800-832-6825)

SDS@valvoline.com

### Emergency telephone number

1-800-VALVOLINE (1-800-825-8654)

### Regulatory Information Number

1-800-TEAMVAL (1-800-832-6825)

### Product Information

1-800-TEAMVAL (1-800-832-6825)

## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Eye irritation : Category 2A

### GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**

P264 Wash skin thoroughly after handling.

P280 Wear eye protection/ face protection.

### **Response:**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.



# SAFETY DATA SHEET

Valvoline™ VR1 Racing™ SAE 10W-30 Motor Oil

Version: 1.5

Revision Date: 02/03/2022

Print Date:  
09/21/2022

## Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Defatter

### Hazardous components

Chemical name	CAS-No.	Classification	Concentration (%)
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	Not a hazardous substance or mixture.	$\geq 60.00$ - $< 80.00$
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	Not a hazardous substance or mixture.	$\geq 5.00$ - $< 10.00$
Distillates (Petroleum), Hydrotreated Heavy Paraffinic	64742-54-7	Asp. Tox. 1; H304	$\geq 1.00$ - $< 5.00$
Zinc O,O',O',O'-tetrakis(1,3- dimethylbutyl) bis(phosphorodithioate)	2215-35-2	Skin Irrit. 2; H315  Eye Dam. 1; H318	$\geq 1.00$ - $< 5.00$
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	Asp. Tox. 1; H304	$\geq 1.00$ - $< 5.00$

Actual concentration or concentration range is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.



## SAFETY DATA SHEET

Valvoline™ VR1 Racing™ SAE 10W-30 Motor Oil

Version: 1.5

Revision Date: 02/03/2022

Print Date:  
09/21/2022

---

	If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. 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	: Causes serious eye irritation.

---

### SECTION 5. FIREFIGHTING MEASURES

Unsuitable extinguishing media	: High volume water jet
Hazardous combustion products	: carbon dioxide and carbon monoxide
Specific extinguishing methods	:
Further information	: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

---

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment.
Environmental precautions	: Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
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 safe handling	: Do not breathe vapours/dust.
-------------------------	--------------------------------



## SAFETY DATA SHEET

Valvoline™ VR1 Racing™ SAE 10W-30 Motor Oil

Version: 1.5

Revision Date: 02/03/2022

Print Date:  
09/21/2022

Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Electrical installations / working materials must comply with the technological safety standards.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	TWA	1 mg/m3 Mist	CA BC OEL
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	TWA	1 mg/m3 Mist	CA BC OEL
Distillates (Petroleum), Hydrotreated Heavy Paraffinic	64742-54-7	TWA	1 mg/m3 Mist	CA BC OEL
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	TWA	1 mg/m3 Mist	CA BC OEL

#### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection  
Remarks

: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection

: Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection

: Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

: When using do not eat or drink.  
When using do not smoke.



## SAFETY DATA SHEET

Valvoline™ VR1 Racing™ SAE 10W-30 Motor Oil

Version: 1.5

Revision Date: 02/03/2022

Print Date:  
09/21/2022

Wash hands before breaks and at the end of workday.

### 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	: > 218.3 °C (1013 hPa)
Flash point	: 201 - 249 °C  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	: 6 %(V) GLP: Calculated Explosive Limit
Lower explosion limit / Lower flammability limit	: 1 %(V) GLP: Calculated Explosive Limit
Vapour pressure	: < 1 mmHg (68.00 °F)  1.3333333 hPa (20 °C) Calculated Vapor Pressure
Relative vapour density	: > 1.000 AIR=1
Relative density	: No data available
Density	: 0.8722 g/cm <sup>3</sup> (15.56 °C)
Solubility(ies) Water solubility	: No data available



## SAFETY DATA SHEET

Valvoline™ VR1 Racing™ SAE 10W-30 Motor Oil

Version: 1.5

Revision Date: 02/03/2022

Print Date:  
09/21/2022

---

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	:	77 mm <sup>2</sup> /s ( 40 °C)
Oxidizing properties	:	No data available

---

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	excessive heat
Incompatible materials	:	Acids 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: > 2,000 mg/kg  
Method: Calculation method

#### Components:

#### **DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:**

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

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

#### **DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:**

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



## SAFETY DATA SHEET

Valvoline™ VR1 Racing™ SAE 10W-30 Motor Oil

Version: 1.5

Revision Date: 02/03/2022

Print Date:  
09/21/2022

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

**Distillates (Petroleum), Hydrotreated Heavy Paraffinic:**

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

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

**Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate):**

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: The substance or mixture has no acute inhalation toxicity  
Remarks: The toxicological data has been taken from products of similar composition.

Acute dermal toxicity : LD50 (Rabbit): > 3,160 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

Remarks : May cause skin irritation and/or dermatitis.

**Components:**

**DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:**

Assessment : Slight, transient irritation  
Result : Slight, transient irritation

**DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:**

Assessment : Slight, transient irritation  
Result : Slight, transient irritation

**Distillates (Petroleum), Hydrotreated Heavy Paraffinic:**

Assessment : Slight, transient irritation  
Result : Slight, transient irritation

**Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate):**

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

**HYDROTREATED LIGHT PARAFFINIC DISTILLATE:**

Assessment : Slight, transient irritation



# SAFETY DATA SHEET

Valvoline™ VR1 Racing™ SAE 10W-30 Motor Oil

Version: 1.5

Revision Date: 02/03/2022

Print Date:  
09/21/2022

Result : Slight, transient irritation

### Serious eye damage/eye irritation

Causes serious eye irritation.

### Product:

Remarks : May cause irreversible eye damage.

### Components:

#### DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

Result : No eye irritation

Assessment : No eye irritation

#### DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

Result : No eye irritation

Assessment : No eye irritation

#### Distillates (Petroleum), Hydrotreated Heavy Paraffinic:

Result : No eye irritation

Assessment : No eye irritation

#### Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate):

Result : Corrosive

#### HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

Result : Slight, transient irritation

Assessment : Slight, transient irritation

### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

#### Respiratory sensitisation

Not classified based on available information.

### Components:

#### Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate):

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 O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate):

Genotoxicity in vitro : Test Type: Ames test

Test system: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Result: negative

### Carcinogenicity

Not classified based on available information.



# SAFETY DATA SHEET

Valvoline™ VR1 Racing™ SAE 10W-30 Motor Oil

Version: 1.5

Revision Date: 02/03/2022

Print Date:  
09/21/2022

## **Components:**

### **DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:**

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

### **DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:**

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

### **HYDROTREATED LIGHT PARAFFINIC DISTILLATE:**

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

## **Reproductive toxicity**

Not classified based on available information.

### **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:**

### **DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:**

No aspiration toxicity classification

### **Distillates (Petroleum), Hydrotreated Heavy Paraffinic:**

May be fatal if swallowed and enters airways.

### **HYDROTREATED LIGHT PARAFFINIC DISTILLATE:**

May be fatal if swallowed and enters airways.

## **Further information**

### **Product:**

Remarks : No data available

## **SECTION 12. ECOLOGICAL INFORMATION**

## **Ecotoxicity**

### **Product:**

Ecotoxicology Assessment

Short-term (acute) aquatic : Not classified based on available information.  
hazard

Long-term (chronic) aquatic : Not classified based on available information.  
hazard

## **Components:**

### **DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:**

Toxicity to fish : LL50 (Fish): > 100 mg/l



## SAFETY DATA SHEET

Valvoline™ VR1 Racing™ SAE 10W-30 Motor Oil

Version: 1.5

Revision Date: 02/03/2022

Print Date:  
09/21/2022

Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EL50 (Aquatic invertebrates): > 10,000 mg/l  
Exposure time: 48 h

Toxicity to algae : EL50 (Algae, algal mat (Algae)): > 100 mg/l  
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

Ecotoxicology Assessment Short-term (acute) aquatic hazard : Not classified based on available information.

Long-term (chronic) aquatic hazard : Not classified based on available information.

### DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

Ecotoxicology Assessment Short-term (acute) aquatic hazard : Not classified based on available information.

Long-term (chronic) aquatic hazard : Not classified based on available information.

### Distillates (Petroleum), Hydrotreated Heavy Paraffinic:

Toxicity to fish : LL50 (Fish): > 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EL50 (Aquatic invertebrates): > 10,000 mg/l  
Exposure time: 48 h

Toxicity to algae : EL50 (Algae, algal mat (Algae)): > 100 mg/l  
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

Ecotoxicology Assessment Short-term (acute) aquatic hazard : Not classified based on available information.



## SAFETY DATA SHEET

Valvoline™ VR1 Racing™ SAE 10W-30 Motor Oil

Version: 1.5

Revision Date: 02/03/2022

Print Date:  
09/21/2022

Long-term (chronic) aquatic hazard : Not classified based on available information.

Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate):

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 4.5 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203  
Remarks: The toxicological data has been taken from products of similar composition.

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 23 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
GLP: yes

Toxicity to algae : NOEL (Desmodesmus subspicatus (green algae)): 10 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test  
Test substance: WAF  
Method: OECD Test Guideline 201  
Remarks: The toxicological data has been taken from products of similar composition.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.4 mg/l  
Exposure time: 21 d  
Test substance: WAF  
Method: OECD Test Guideline 211  
Remarks: The toxicological data has been taken from products of similar composition.

### Persistence and degradability

#### Components:

Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate):

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 1.5 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B  
Remarks: The toxicological data has been taken from products of similar composition.

No data available

### Bioaccumulative potential

#### Components:

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

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

No data available



## SAFETY DATA SHEET

Valvoline™ VR1 Racing™ SAE 10W-30 Motor Oil

Version: 1.5

Revision Date: 02/03/2022

Print Date:  
09/21/2022

### Mobility in soil

#### Components:

No data available

### Other adverse effects

No data available

#### Product:

Additional ecological information : No data available

#### Components:

---

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

General advice : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

---

## 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.

### National Regulations

#### **TDG**

Not regulated as a dangerous good

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.

---

## SECTION 15. REGULATORY INFORMATION



## SAFETY DATA SHEET

Valvoline™ VR1 Racing™ SAE 10W-30 Motor Oil

Version: 1.5

Revision Date: 02/03/2022

Print Date:  
09/21/2022

- Canadian PBT Chemicals** : This product contains the following components on the DSL that are classified as Persistent, Bioaccumulative and/or Toxic (PBT) under CEPA:  
Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate)
- NPRI Components** : Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate)  
Zinc, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-S,S']-, (T-4)-  
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT ETHYL BENZENE  
TOLUENE  
BENZENE  
NAPHTHALENE  
1,4-DIOXANE

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

- TCSI : Not in compliance with the inventory
- TSCA : All substances listed as active on the TSCA inventory
- AIIC : Not in compliance with the inventory
- DSL : All components of this product are on the Canadian DSL
- ENCS : On the inventory, or in compliance with the inventory
- KECI : Not in compliance with the inventory
- PICCS : Not in compliance with the inventory
- IECSC : On the inventory, or in compliance with the inventory
- NZIoC : On the inventory, or in compliance with the inventory
- TECI : Not in compliance with the inventory

**Canadian lists**

No substances are subject to a Significant New Activity Notification.

**Inventories**

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

---

## SECTION 16. OTHER INFORMATION



# SAFETY DATA SHEET

Valvoline™ VR1 Racing™ SAE 10W-30 Motor Oil

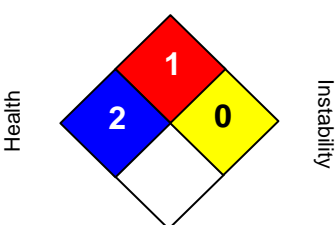
Version: 1.5

Revision Date: 02/03/2022

Print Date:  
09/21/2022

## Further information

Internal information : R0218838

NFPA:	HMIS III:						
<p>Flammability</p> <p>Health</p> <p>Instability</p> <p>Special hazard</p> 	<table><tr><td>HEALTH</td><td>2/</td></tr><tr><td>FLAMMABILITY</td><td>1</td></tr><tr><td>PHYSICAL HAZARD</td><td>0</td></tr></table> <p>0 = not significant, 1 = Slight, 2 = Moderate, 3 = High 4 = Extreme, * = Chronic</p>	HEALTH	2/	FLAMMABILITY	1	PHYSICAL HAZARD	0
HEALTH	2/						
FLAMMABILITY	1						
PHYSICAL HAZARD	0						

## NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class IIIB

## Full text of H-Statements

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.

## 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.

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).

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



## SAFETY DATA SHEET

Valvoline™ VR1 Racing™ SAE 10W-30 Motor Oil

Version: 1.5

Revision Date: 02/03/2022

Print Date:  
09/21/2022

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

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act

DOT : Department of Transportation

FIFRA : Federal Insecticide, Fungicide, and Rodenticide Act

HMIRC : Hazardous Materials Information Review Commission

HMIS : Hazardous Materials Identification System

NFPA : National Fire Protection Association

NIOSH : National Institute for Occupational Safety and Health

OSHA : Occupational Safety and Health Administration

PMRA : Health Canada Pest Management Regulatory Agency

RTK : Right to Know

WHMIS : Workplace Hazardous Materials Information System