



**SAFETY DATA SHEET**  
Valvoline™ HIGH MILEAGE with MaxLife™  
Technology SAE 5W-20 Synthetic Blend Motor  
Oil

Version: 3.0

Revision Date: 06/12/2023

Print Date:  
06/21/2023

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**SECTION 1. IDENTIFICATION**

Product name : Valvoline™ HIGH MILEAGE with MaxLife™ Technology SAE  
5W-20 Synthetic Blend Motor Oil

Product code : 881162

**Manufacturer or supplier's details**

Company name of supplier : Valvoline Global Operations

Address : 100 Valvoline Way  
Lexington, KY 40509  
United States of America (USA)

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

E-mail address : SDS@valvolineglobal.com

Emergency telephone : +1-800-VALVOLINE (+1-800-825-8654)  
number

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**SECTION 2. HAZARDS IDENTIFICATION**

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

**GHS label elements**

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

**Other hazards**

None known.

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

Substance / Mixture : Mixture



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**Components**

Chemical name	CAS-No.	Concentration (% w/w)
Distillates, petroleum, solvent-refined heavy paraffinic	64741-88-4	$\geq 40 - < 50$
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	$\geq 30 - < 40$
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	$\geq 5 - < 10$
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	$\geq 1.5 - < 5$
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	$\geq 1 - < 1.5$

Actual concentration is withheld as a trade secret

**SECTION 4. FIRST AID MEASURES**

- General advice : 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 eye contact : Remove contact lenses.  
Protect unharmed eye.  
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 : No symptoms known or expected.
- Notes to physician : No hazards which require special first aid measures.  
  
Treat symptomatically.

**SECTION 5. FIREFIGHTING MEASURES**



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- |   |   |   |
|---|---|---|
| Suitable extinguishing media                  | : | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  |
| Unsuitable extinguishing media                | : | High volume water jet   |
| Hazardous combustion products                 | : | carbon dioxide and carbon monoxide  |
| Further information                           | : | Standard procedure for chemical fires.<br>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.  |

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- |   |   |  |
|---|---|--|
| Personal precautions, protective equipment and emergency procedures | : | Refer to protective measures listed in sections 7 and 8.<br>Use personal protective equipment.             |
| Environmental precautions   | : | If the product contaminates rivers and lakes or drains inform respective authorities.                      |
| Methods and materials for containment and cleaning up               | : | Wipe up with absorbent material (e.g. cloth, fleece).<br>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                         | : | For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area. |
| Conditions for safe storage                     | : | Electrical installations / working materials must comply with the technological safety standards.                    |
| Materials to avoid                              | : | No materials to be especially mentioned.   |
| Further information on storage stability        | : | No decomposition if stored and applied as directed.  |



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**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, solvent-refined heavy paraffinic	64741-88-4	TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Mist)	5 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH

**Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.



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Eye protection : Safety glasses  
Skin and body protection : Protective suit  
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 : > 390 °F / > 199 °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 : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : 1.3333333 hPa (68 °F / 20 °C)  
Calculated Vapor Pressure

Relative vapour density : No data available

Relative density : 0.8607 (60.00 °F / 15.56 °C)

Density : 0.8607 g/cm<sup>3</sup> (60.1 °F / 15.6 °C)



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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	: ca. 50 mm <sup>2</sup> /s (104 °F / 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	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	: excessive heat Heat
Incompatible materials	: Alkali metals aluminum Ammonia Combustible material halogens Metals metal oxides Oxidizing agents peroxides reducing agents sodium water
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:**

**Distillates, petroleum, solvent-refined heavy paraffinic:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5.58 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute  
inhalation toxicity  
Remarks: No mortality observed at this dose.

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg  
Remarks: No mortality observed at this dose.

**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

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

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

Result : Slight, transient irritation  
Remarks : Expected

**Components:**

**Distillates, petroleum, solvent-refined heavy paraffinic:**



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Species : Rabbit  
Result : No skin 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

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

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

**HYDROTREATED LIGHT PARAFFINIC DISTILLATE:**

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

**Serious eye damage/eye irritation**

Not classified based on available information.

**Product:**

Result : Slight, transient irritation  
Remarks : Expected based on components.

**Components:**

**Distillates, petroleum, solvent-refined heavy paraffinic:**

Species : Rabbit  
Result : 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

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

Result : No eye irritation





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Assessment : No eye irritation

**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:**

**Distillates, petroleum, solvent-refined heavy paraffinic:**

Test Type : Buehler Test  
Species : Guinea pig  
Assessment : Does not cause skin sensitisation.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Components:**

**Distillates, petroleum, solvent-refined 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)

**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)



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**HYDROTREATED LIGHT PARAFFINIC DISTILLATE:**

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

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**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



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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Product:**

**Ecotoxicology Assessment**

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

**Components:**

**Distillates, petroleum, solvent-refined heavy paraffinic:**

Toxicity to fish : LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h  
Test Type: static test  
Test substance: WAF  
Method: OECD Test Guideline 203  
Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other : EL50 (Daphnia magna (Water flea)): > 10,000 mg/l  
aquatic invertebrates  
Exposure time: 48 h  
Test Type: static test  
Test substance: WAF  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic : NOEL (Pseudokirchneriella subcapitata (green algae)): >=  
plants  
100 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test  
Test substance: WAF  
Method: OECD Test Guideline 201

Toxicity to fish (Chronic : NOELR (Oncorhynchus mykiss (rainbow trout)): Calculated >=  
toxicity)  
1,000 mg/l  
Exposure time: 14 d

Toxicity to daphnia and other : NOEL (Daphnia (water flea)): 10 mg/l  
aquatic invertebrates  
Exposure time: 21 d  
(Chronic toxicity)  
Test substance: WAF  
Method: OECD Test Guideline 211

**Ecotoxicology Assessment**

Acute aquatic toxicity : Not classified based on available information.



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Chronic aquatic toxicity : 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 : EL50 (Aquatic invertebrates): > 10,000 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : EL50 (Algae, algal mat (Algae)): > 100 mg/l  
plants Exposure time: 72 h

Toxicity to fish (Chronic : NOEC (Fish): 10 mg/l  
toxicity)

Toxicity to daphnia and other : NOEC (Aquatic invertebrates): 10 mg/l  
aquatic invertebrates  
(Chronic toxicity)

**Ecotoxicology Assessment**

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : 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 : EL50 (Aquatic invertebrates): > 10,000 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : EL50 (Algae, algal mat (Algae)): > 100 mg/l  
plants Exposure time: 72 h

Toxicity to fish (Chronic : NOEC (Fish): 10 mg/l  
toxicity)

Toxicity to daphnia and other : NOEC (Aquatic invertebrates): 10 mg/l  
aquatic invertebrates  
(Chronic toxicity)

**Ecotoxicology Assessment**

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.



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

**Ecotoxicology Assessment**

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

**HYDROTREATED LIGHT PARAFFINIC DISTILLATE:**

**Ecotoxicology Assessment**

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

**Persistence and degradability**

**Components:**

**Distillates, petroleum, solvent-refined heavy paraffinic:**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 2 - 4 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B

**Bioaccumulative potential**

**Components:**

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

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

**Mobility in soil**

No data available

**Other adverse effects**

**Product:**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82  
Protection of Stratospheric Ozone - CAA Section 602 Class I  
Substances  
Remarks: This product neither contains, nor was  
manufactured with a Class I or Class II ODS as defined by the  
U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +  
B).

Additional ecological : No data available



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information

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### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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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.

#### National Regulations

##### 49 CFR

Not regulated as a dangerous good

#### Special precautions for user

Not applicable

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

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : No SARA Hazards



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**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

**US State Regulations**

**Massachusetts Right To Know**

Distillates, petroleum, solvent-refined heavy paraffinic	64741-88-4
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7
Lubricating oils (petroleum), hydrotreated	64742-58-1
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8

**Pennsylvania Right To Know**

Distillates, petroleum, solvent-refined heavy paraffinic	64741-88-4
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7
PROPRIETARY SUBSTANCE OF LUBRIZOL PV1510 000000280302	Not Assigned
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (<3 % DMSO EXTRACT)	64742-65-0

**Maine Chemicals of High Concern**

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY	64742-54-7
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PARAFFINIC  
Lubricating oils (petroleum), hydrotreated 64742-58-1  
PROPRIETARY OF LUBRIZOL 7065C Not Assigned  
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-  
based 72623-86-0

**Vermont Chemicals of High Concern**

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY 64742-54-7  
PARAFFINIC  
Lubricating oils (petroleum), hydrotreated 64742-58-1  
PROPRIETARY OF LUBRIZOL 7065C Not Assigned  
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-  
based 72623-86-0

**Washington Chemicals of High Concern**

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY 64742-54-7  
PARAFFINIC  
Lubricating oils (petroleum), hydrotreated 64742-58-1  
PROPRIETARY OF LUBRIZOL 7065C Not Assigned  
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-  
based 72623-86-0

**California Permissible Exposure Limits for Chemical Contaminants**

Distillates, petroleum, solvent-refined heavy paraffinic 64741-88-4  
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY 64742-54-7  
PARAFFINIC  
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY 64742-54-7  
PARAFFINIC  
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY 64742-54-7  
PARAFFINIC

**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 : Not in compliance with the inventory  
NZIoC : On the inventory, or in compliance with the inventory





**Valvoline™**  
**Global**

**SAFETY DATA SHEET**  
Valvoline™ HIGH MILEAGE with MaxLife™  
Technology SAE 5W-20 Synthetic Blend Motor  
Oil

Version: 3.0

Revision Date: 06/12/2023

Print Date:  
06/21/2023

**TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

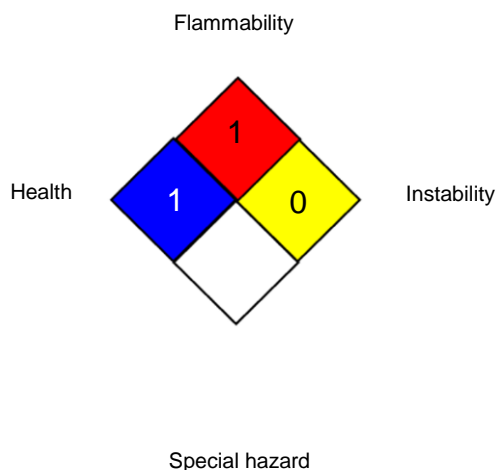
**Inventories**

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**

**Further information**

**NFPA 704:**



**HMIS® IV:**

<b>HEALTH</b>	/	<b>0</b>
<b>FLAMMABILITY</b>		<b>1</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

**Full text of other abbreviations**

- ACGIH : USA. ACGIH Threshold Limit Values (TLV)
- NIOSH REL : USA. NIOSH Recommended Exposure Limits
- OSHA P0 : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
- OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
- ACGIH / TWA : 8-hour, time-weighted average
- NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
- NIOSH REL / ST : STEL - 15-minute TWA exposure that should not be exceeded





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not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN

Internal information : R0409688