

Valvoline™ High Mileage with MAXLIFE TECHNOLOGY SAE 5W-20 Synthetic Blend Motor Oil

Version: 1.17 Revision Date: 11/04/2020 Print Date: 01/11/2023

29 CFR 1910.1200 (OSHA HazCom 2012)

### **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier** 

Trade name : Valvoline™ High Mileage with MAXLIFE TECHNOLOGY

SAE 5W-20 Synthetic Blend Motor Oil

Product code : 609506

Details of the supplier of the safety data sheet

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

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**

Not a hazardous substance or mixture.

### **GHS** label elements

Not a hazardous substance or mixture.

#### Other hazards

None known.

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

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Classification	Concentration (%)
Lubricating oils (petroleum), hydrotreated		Not a hazardous substance or mixture.	>=70.00 - < 80.00
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC		Not a hazardous substance or mixture.	>=5.00 - < 10.00



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DISTILLATES (PETROLEUM), HYDROTREATED HEAVY Substance or mixture. >=5.00 - < 10.00 substance or mixture.

Actual concentration is withheld as a trade secret

### **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.

#### **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 (CO2)

Dry chemical

Specific hazards during

firefighting

: Do not allow run-off from fire fighting to enter drains or water

courses.

If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the

point of release.



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Hazardous combustion

products

: carbon dioxide and carbon monoxide

Specific extinguishing

methods

•

Product is compatible with standard fire-fighting agents.

Further information : Standard procedure for chemical fires.

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.

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.

Other information : Comply with all applicable federal, state, and local regulations.

### **SECTION 7. HANDLING AND STORAGE**

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	TWA	5 mg/m3 Inhalable	ACGIH



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1	1	1	1	1
			particulate matter	
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	TWA	5 mg/m3 Mist	OSHA Z-1
		TWA	5 mg/m3 Inhalable particulate matter	ACGIH
		TWA	5 mg/m3 Mist	OSHA P0
		TWA	5 mg/m3 Mist	NIOSH REL
		ST	10 mg/m3 Mist	NIOSH REL
		PEL	5 mg/m3 particulate	CAL PEL
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	TWA	5 mg/m3 Mist	OSHA Z-1
		TWA	5 mg/m3 Inhalable particulate matter	ACGIH
		TWA	5 mg/m3 Mist	OSHA P0
		TWA	5 mg/m3 Mist	NIOSH REL
		ST	10 mg/m3 Mist	NIOSH REL
		PEL	5 mg/m3 particulate	CAL PEL

**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.

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 resistant gloves (consult your safety equipment



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supplier).

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 :  $> 390 \, ^{\circ}\text{F} / > 199 \, ^{\circ}\text{C}$ 

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/cm3 (60.1 °F / 15.6 °C)

Solubility(ies)

Water solubility : No data available



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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 mm2/s (104 °F / 40 °C)

Oxidizing properties : No data available

### **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.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition

products No hazardous decomposition products are known.

### **SECTION 11. TOXICOLOGICAL INFORMATION**

# Information on likely routes of exposure

Inhalation Skin contact Eye Contact Ingestion

**Acute toxicity** 

Not classified based on available information.

**Components:** 

Lubricating oils (petroleum), hydrotreated:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Assessment: Not classified as acutely toxic by ingestion under

GHS.

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg



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Assessment: Not classified as acutely toxic by dermal

absorption under GHS.

**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

Result : Repeated exposure may cause skin dryness or cracking.

Components:

Lubricating oils (petroleum), hydrotreated:

Assessment : No skin irritation Result : No skin irritation

Result : Repeated exposure may cause skin dryness or cracking.

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

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Result : Slight, transient irritation

Remarks : Expected based on components.

Remarks : Unlikely to cause eye irritation or injury.

Components:

Lubricating oils (petroleum), hydrotreated:

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



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**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

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:

**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)

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.

**Product:** 

No aspiration toxicity classification

Components:

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

No aspiration toxicity classification



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**Further information** 

Product:

Remarks No data available

### **SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity** 

**Product:** 

Ecotoxicology Assessment

Short-term (acute) aquatic

hazard

: Not classified based on available information.

Long-term (chronic) aquatic

hazard

: Not classified based on available information.

**Components:** 

Lubricating oils (petroleum), hydrotreated:

aquatic invertebrates

Toxicity to daphnia and other : LC50 (Brine shrimp (Artemia salina)): > 22,500 mg/l

Exposure time: 48 h

**Ecotoxicology Assessment** Short-term (acute) aquatic

hazard

Not classified based on available information.

Long-term (chronic) aquatic

hazard

: No toxicity at the limit of solubility

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

aquatic invertebrates (Chronic toxicity)

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



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**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.

#### Persistence and degradability

#### **Components:**

No data available

### Bioaccumulative potential

### **Components:**

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

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:

Remarks

Regulation 40 CFR Protection of Environment; Part 82 Protection of

Stratospheric Ozone - CAA Section 602 Class I Substances 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

information

: No data available

### **Components:**

### **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods** 

General advice : Dispose of in accordance with all applicable local, state and

federal regulations.

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.

# **National Regulations**

#### 49 CFR

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**

### **EPCRA - Emergency Planning and Community Right-to-Know Act**

#### **CERCLA Reportable Quantity**

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

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS 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

SARA 313 : The following components are subject to reporting levels

established by SARA Title III, Section 313:



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Zinc O,O,O',O'->= 0.1 - < 1 % 2215-35-2 tetrakis(1,3dimethylbutyl) bis(phosphorodit hioate Zinc, bis[O,O-4259-15-8 >= 0.1 - < 1 % bis(2-ethylhexyl) phosphorodithioa to-S,S']-, (T-4)-PHOSPHORODI 84605-29-8 < 0.1 % THIOIC ACID. MIXED O,O-BIS(1,3-DIMETHYLBUTY L AND ISO-PR) ESTERS, ZINC

#### 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 SOCMI 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

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

**SALTS** 

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

AICS : On the inventory, or in compliance with the inventory

ENCS : Contact your sales representative for additional information.

KECI : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory



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IECSC : On the inventory, or in compliance with the inventory

TCSI : On the inventory, or in compliance with the inventory

TSCA : On TSCA Inventory

#### **TSCA list**

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

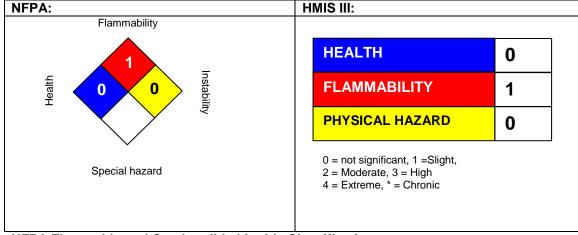
#### **Inventories**

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

### **SECTION 16. OTHER INFORMATION**

#### **Further information**

Internal information: R0409688



NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class IIIB

#### **Full text of H-Statements**

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.



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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

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



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PMRA: Health Canada Pest Management Regulatory Agency

RTK : Right to Know

WHMIS: Workplace Hazardous Materials Information System