	Page: 1
SAFETY DATA SHEET	Revision Date: 08/29/2019
	Print Date: 11/12/2019
	SDS Number: R0366793
Valvoline™ DAILY PROTECTION SAE 5W-20 Motor Oil 797974	Version: 5.0

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Trade name : Valvoline™ DAILY PROTECTION SAE 5W-20 Motor Oil

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

Recommended use : Motor Oil

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)
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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	Not a hazardous substance or mixture.	>= 50.00 - < 70.00
PETROLEUM DISTILLATES	64742-54-7	Asp. Tox. 1; H304	>= 30.00 - < 50.00

	Page: 2
SAFETY DATA SHEET	Revision Date: 08/29/2019
	Print Date: 11/12/2019
	SDS Number: R0366793
Valvoline™ DAILY PROTECTION SAE 5W-20 Motor Oil 797974	Version: 5.0


PETROLEUM DISTILLATES	64742-55-8	Asp. Tox. 1; H304	>= 1.00 - < 10.00
PETROLEUM DISTILLATES		Not a hazardous substance or mixture.	>= 1.00 - < 10.00
DISTILLATES (PETROLEUM)	64742-65-0	Asp. Tox. 1; H304	>= 1.00 - < 10.00

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
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	Page: 3
SAFETY DATA SHEET	Revision Date: 08/29/2019
	Print Date: 11/12/2019
	SDS Number: R0366793
Valvoline™ DAILY PROTECTION SAE 5W-20 Motor Oil 797974	Version: 5.0

Foam
Carbon dioxide (CO₂)
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
Hydrocarbons

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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

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

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

SECTION 7. HANDLING AND STORAGE

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

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

Materials to avoid : No materials to be especially mentioned.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
PETROLEUM DISTILLATES	64742-58-1	L-8/40	0.2 mg/m³	VE OEL


SAFETY DATA SHEET

Revision Date: 08/29/2019

Print Date: 11/12/2019


SDS Number: R0366793

Valvoline™ DAILY PROTECTION SAE 5W-20 Motor Oil

Version: 5.0

797974

		TWA	5 mg/m3	CR OEL
PETROLEUM DISTILLATES		CMP (Mist)	5 mg/m3 Mist	AR OEL
		CMP - CPT (Mist)	10 mg/m3 Mist	AR OEL
		TWA (Mist)	5 mg/m3 Mist	PE OEL
		STEL (Mist)	10 mg/m3 Mist	PE OEL
		L-8/40 (Mist)	5 mg/m3 Mist	VE OEL
		LB (Mist)	10 mg/m3 Mist	VE OEL
		CPT (Mist)	5 mg/m3 Mist	PA OEL
		CCT (Mist)	10 mg/m3 Mist	PA OEL
		TWA (Mist, inhalable)	5 mg/m3 Mist, inhalable	CR OEL
		STEL (Mist)	10 mg/m3 Mist	CR OEL
PETROLEUM DISTILLATES	64742-54-7	CMP (Mist)	5 mg/m3 Mist	AR OEL
		CMP - CPT (Mist)	10 mg/m3 Mist	AR OEL
		TWA (Mist)	5 mg/m3 Mist	PE OEL
		STEL (Mist)	10 mg/m3 Mist	PE OEL
		L-8/40 (Mist)	5 mg/m3 Mist	VE OEL
		LB (Mist)	10 mg/m3 Mist	VE OEL
		CPT (Mist)	5 mg/m3 Mist	PA OEL
		CCT (Mist)	10 mg/m3 Mist	PA OEL
		L-8/40	0.2 mg/m3	VE OEL
		TWA	5 mg/m3	CR OEL
PETROLEUM DISTILLATES	64742-54-7	CMP (Mist)	5 mg/m3 Mist	AR OEL
		CMP - CPT (Mist)	10 mg/m3 Mist	AR OEL
		TWA (Mist)	5 mg/m3 Mist	PE OEL
		STEL (Mist)	10 mg/m3 Mist	PE OEL
		L-8/40 (Mist)	5 mg/m3 Mist	VE OEL
		LB (Mist)	10 mg/m3 Mist	VE OEL

		Page: 5
SAFETY DATA SHEET		Revision Date: 08/29/2019
		Print Date: 11/12/2019
		SDS Number: R0366793
Valvoline™ DAILY PROTECTION SAE 5W-20 Motor Oil		Version: 5.0
797974		

		CPT (Mist)	5 mg/m3 Mist	PA OEL
		CCT (Mist)	10 mg/m3 Mist	PA OEL
		L-8/40	0.2 mg/m3	VE OEL
		TWA	5 mg/m3	CR OEL
PETROLEUM DISTILLATES	64742-55-8	CMP (Mist)	5 mg/m3 Mist	AR OEL
		CMP - CPT (Mist)	10 mg/m3 Mist	AR OEL
		TWA (Mist)	5 mg/m3 Mist	PE OEL
		STEL (Mist)	10 mg/m3 Mist	PE OEL
		L-8/40 (Mist)	5 mg/m3 Mist	VE OEL
		LB (Mist)	10 mg/m3 Mist	VE OEL
		CPT (Mist)	5 mg/m3 Mist	PA OEL
		CCT (Mist)	10 mg/m3 Mist	PA OEL
		TWA	5 mg/m3	CR OEL
DISTILLATES (PETROLEUM)	64742-65-0	CMP (Mist)	5 mg/m3 Mist	AR OEL
		CMP - CPT (Mist)	10 mg/m3 Mist	AR OEL
		TWA (Mist)	5 mg/m3 Mist	PE OEL
		STEL (Mist)	10 mg/m3 Mist	PE OEL
		L-8/40 (Mist)	5 mg/m3 Mist	VE OEL
		LB (Mist)	10 mg/m3 Mist	VE OEL
		CPT (Mist)	5 mg/m3 Mist	PA OEL
		CCT (Mist)	10 mg/m3 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.

	Page: 6
SAFETY DATA SHEET	Revision Date: 08/29/2019
	Print Date: 11/12/2019
	SDS Number: R0366793
Valvoline™ DAILY PROTECTION SAE 5W-20 Motor Oil 797974	Version: 5.0

Eye protection : Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Skin and body protection : Wear as appropriate:
Safety shoes

Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Odour : No data available

Odour Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

Flash point : > 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 : 6 %(V)
Calculated Explosive Limit

Lower explosion limit / Lower flammability limit : 1 %(V)
Calculated Explosive Limit


Vapour pressure : 0.0012 hPa (20 °C)
Calculated Vapor Pressure

Relative vapour density : No data available

Relative density : No data available

Density : 0.8620 g/cm³ (15.56 °C)

Solubility(ies)
Water solubility : No data available

	Page: 7
SAFETY DATA SHEET	Revision Date: 08/29/2019
	Print Date: 11/12/2019
	SDS Number: R0366793
Valvoline™ DAILY PROTECTION SAE 5W-20 Motor Oil 797974	Version: 5.0

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 : 50 mm²/s (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 : excessive heat

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

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

DISTILLATES (PETROLEUM):

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

	Page: 8
SAFETY DATA SHEET	Revision Date: 08/29/2019
	Print Date: 11/12/2019
	SDS Number: R0366793
Valvoline™ DAILY PROTECTION SAE 5W-20 Motor Oil 797974	Version: 5.0

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Components:

PETROLEUM DISTILLATES:

Result: Slight, transient irritation

PETROLEUM DISTILLATES:

Result: Slight, transient irritation

PETROLEUM DISTILLATES:

Result: Slight, transient irritation

PETROLEUM DISTILLATES:

Result: Slight, transient irritation

DISTILLATES (PETROLEUM):

Result: Slight, transient irritation

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks: Unlikely to cause eye irritation or injury.

Components:

PETROLEUM DISTILLATES:

Result: No eye irritation

PETROLEUM DISTILLATES:

Result: No eye irritation

PETROLEUM DISTILLATES:


Result: Slight, transient irritation

PETROLEUM DISTILLATES:

Result: Slight, transient irritation

DISTILLATES (PETROLEUM):

Result: Slight, transient irritation

	Page: 9
SAFETY DATA SHEET	Revision Date: 08/29/2019
	Print Date: 11/12/2019
	SDS Number: R0366793
Valvoline™ DAILY PROTECTION SAE 5W-20 Motor Oil 797974	Version: 5.0



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)

PETROLEUM DISTILLATES:

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

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.

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:

PETROLEUM DISTILLATES:


No aspiration toxicity classification

PETROLEUM DISTILLATES:

May be fatal if swallowed and enters airways.

PETROLEUM DISTILLATES:

May be fatal if swallowed and enters airways.

	Page: 10
SAFETY DATA SHEET	Revision Date: 08/29/2019
	Print Date: 11/12/2019
	SDS Number: R0366793
Valvoline™ DAILY PROTECTION SAE 5W-20 Motor Oil 797974	Version: 5.0



DISTILLATES (PETROLEUM):

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:


PETROLEUM DISTILLATES:

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

PETROLEUM DISTILLATES:

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

No data available

	Page: 11
SAFETY DATA SHEET	Revision Date: 08/29/2019
	Print Date: 11/12/2019
	SDS Number: R0366793
Valvoline™ DAILY PROTECTION SAE 5W-20 Motor Oil 797974	Version: 5.0

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:

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Contaminated packaging : Empty remaining contents.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good


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

Not applicable for product as supplied.

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

SECTION 15. REGULATORY INFORMATION

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

	Page: 12
SAFETY DATA SHEET	Revision Date: 08/29/2019
	Print Date: 11/12/2019
	SDS Number: R0366793
Valvoline™ DAILY PROTECTION SAE 5W-20 Motor Oil 797974	Version: 5.0

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 : Contact your sales representative for additional information.

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

IECSC : Contact your sales representative for additional information.

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

TCSI : Not 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)

SECTION 16. OTHER INFORMATION

Further information


Revision Date: 08/29/2019

Full text of H-Statements

H304 May be fatal if swallowed and enters airways.

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

	Page: 13
SAFETY DATA SHEET	Revision Date: 08/29/2019
	Print Date: 11/12/2019
	SDS Number: R0366793
Valvoline™ DAILY PROTECTION SAE 5W-20 Motor Oil 797974	Version: 5.0

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

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

ACGIH : American Conference of Industrial Hygienists

BEI : Biological Exposure Index

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

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

FG : Food grade

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

H-statement : Hazard Statement

IATA : International Air Transport Association.

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

ICAO : International Civil Aviation Organization

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

IMDG : International Maritime Code for Dangerous Goods

ISO : International Organization for Standardization

logPow : octanol-water partition coefficient

LCxx : Lethal Concentration, for xx percent of test population

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

ICxx : Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx

N.O.S.: Not Otherwise Specified

OECD : Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit

P-Statement : Precautionary Statement

PBT : Persistent , Bioaccumulative and Toxic

PPE : Personal Protective Equipment

STEL : Short-term exposure limit

STOT : Specific Target Organ Toxicity

TLV : Threshold Limit Value

TWA : Time-weighted average

vPvB : Very Persistent and Very Bioaccumulative

WEL : Workplace Exposure Level

CEATOX

Assistance Center of the Institute of Toxicology

Children's Hospital Clinic, Faculty of Medicine

University of São Paulo.

BR OEL : Occupational Exposure Limit (Brazil)

UY OEL : Occupational Exposure Limit (Uruguay)

PY OEL : Occupational Exposure Limit (Paraguay)