



SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : Valvoline™ COOLING SYSTEM CLEANER

Product code : 890602

Unique Formula Identifier (UFI) : GWRC-MSM4-900F-VE7U

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

Use of the substance/mixture : Additive

1.3 Details of the supplier of the safety data sheet

Company : Ellis Enterprises B.V., an affiliate of Valvoline Global
Operations
Wieldrechtseweg 39
3316 BG Dordrecht
Netherlands

Telephone : +31 (0)78 654 3500 (in the Netherlands), or contact your local CSR contact person

E-mail address of person responsible for the SDS : SDS@valvolineglobal.com

1.4 Emergency telephone number

00-800-825-8654, or contact your local emergency telephone number at 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Serious eye damage, Category 1

H318: Causes serious eye damage.

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms :



Signal word :

Danger

Hazard statements :

H318 Causes serious eye damage.
H361d Suspected of damaging the unborn child.

Precautionary statements :

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

Prevention:

P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
P261 Avoid breathing vapours.

Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

tetrasodium ethylene diamine tetraacetate
4-hydroxy-4-methylpentan-2-one



Signal word :

Danger



SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

Hazard statements : H318 Causes serious eye damage.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P280 Wear eye protection/ face protection.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

Hazardous components which must be listed on the label:
tetrasodium ethylene diamine tetraacetate

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
tetrasodium ethylene diamine tetraacetate	64-02-8 200-573-9 607-428-00-2 01-2119486762-27-xxxx	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Dam. 1; H318 STOT RE 2; H373 (Respiratory Tract)	>= 3 - < 10
4-hydroxy-4-methylpentan-2-one	123-42-2 204-626-7 603-016-00-1 01-2119473975-21-xxxx	Flam. Liq. 3; H226 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system) specific concentration limit Eye Irrit. 2; H319 >= 10 %	>= 1 - < 10



SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

trisodium nitrilotriacetate	5064-31-3 225-768-6 607-620-00-6	Acute Tox. 4; H302 Eye Irrit. 2; H319 Carc. 2; H351 specific concentration limit Carc. 2; H351 ≥ 5 % Carc. 2; H351 ≥ 5 %	≥ 0.1 - < 1
-----------------------------	--	--	-------------

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of 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 eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
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.
Take victim immediately to hospital.
- Induce vomiting immediately and call a physician.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No symptoms known or expected.
- Risks : Causes serious eye damage.



SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No hazards which require special first aid measures.
Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : carbon dioxide and carbon monoxide

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.



SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

6.3 Methods and material for containment and cleaning up

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

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
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.

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

Hygiene measures : When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : No data available



SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
4-hydroxy-4-methylpentan-2-one	123-42-2	TWA	50 ppm 241 mg/m3	GB EH40
		STEL	75 ppm 362 mg/m3	GB EH40

8.2 Exposure controls

Personal protective equipment

Eye/face protection	:	Eye wash bottle with pure water Tightly fitting safety goggles
Hand protection	:	
Remarks	:	The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Skin and body protection	:	Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respiratory protection	:	No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	colourless
Odour	:	characteristic
Odour Threshold	:	No data available
pH	:	10.25 (20 °C)
Melting point/freezing point	:	100 °C
Initial boiling point and boiling range	:	100 °C
Flash point	:	> 100 °C



SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

Evaporation rate	:	No data available
Flammability (solid, gas)	:	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	:	ca. 1.0275 g/cm3
Solubility(ies)		
Water solubility	:	soluble
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	:	No data available
Oxidizing properties	:	No data available

9.2 Other information

Particle size	:	Not applicable
Self-ignition	:	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.



SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : aluminum
Copper
Copper alloys
Lead
Nickel
Oxidizing agents
peroxides
reactive metals such as aluminum and magnesium
steel
Strong acids
strong alkalis
Strong bases
Zinc

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified due to lack of data.

Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method



SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

Components:

tetrasodium ethylene diamine tetraacetate:

Acute oral toxicity	:	LD50 (Rat, female): 1,780 mg/kg Acute toxicity estimate: 1,780 mg/kg Method: ATE value derived from LD50/LC50 value
Acute inhalation toxicity	:	LC50 (Rat): > 1 - 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Remarks: The toxicological data has been taken from products of similar composition. Acute toxicity estimate: 1.01 mg/l Test atmosphere: dust/mist Method: ATE value derived from LD50/LC50 value
Acute dermal toxicity	:	LD50 (Rabbit): > 5,000 mg/kg

4-hydroxy-4-methylpentan-2-one:

Acute oral toxicity	:	LD50 (Rat): 3,002 mg/kg Method: OECD Test Guideline 401
Acute dermal toxicity	:	LD50 (Rabbit): 13,500 mg/kg LD50 (Rat): > 1,875 mg/kg Assessment: The substance or mixture has no acute dermal toxicity

trisodium nitrilotriacetate:

Acute oral toxicity	:	LD50 (Rat, male and female): 1,740 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	:	LC0 (Rat): 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 (Rabbit): > 2,000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity



SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

Skin corrosion/irritation

Not classified due to lack of data.

Components:

tetrasodium ethylene diamine tetraacetate:

Species	:	Rabbit
Result	:	No skin irritation

4-hydroxy-4-methylpentan-2-one:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	Slight, transient irritation

trisodium nitrilotriacetate:

Result	:	Slight, transient irritation
--------	---	------------------------------

Serious eye damage/eye irritation

Causes serious eye damage.

Components:

tetrasodium ethylene diamine tetraacetate:

Result	:	Severely irritating to eyes
--------	---	-----------------------------

4-hydroxy-4-methylpentan-2-one:

Species	:	Human
Assessment	:	Irritating to eyes.
Result	:	Irritating to eyes.
Remarks	:	100 ppm for 15 minutes

trisodium nitrilotriacetate:

Result	:	Irritating to eyes.
--------	---	---------------------

Respiratory or skin sensitisation

Skin sensitisation

Not classified due to lack of data.

Respiratory sensitisation

Not classified due to lack of data.



SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

Components:

tetrasodium ethylene diamine tetraacetate:

Test Type	:	Maximisation Test
Species	:	Guinea pig
Assessment	:	Does not cause skin sensitisation.
Method	:	OECD Test Guideline 406
Remarks	:	The toxicological data has been taken from products of similar composition.

4-hydroxy-4-methylpentan-2-one:

Test Type	:	Maximisation Test
Species	:	Guinea pig
Assessment	:	Does not cause skin sensitisation.
Method	:	OECD Test Guideline 406
Result	:	Did not cause sensitisation on laboratory animals.

trisodium nitrilotriacetate:

Test Type	:	Maximisation Test
Species	:	Guinea pig
Assessment	:	Did not cause sensitisation on laboratory animals.
Method	:	OECD Test Guideline 406

Germ cell mutagenicity

Not classified due to lack of data.

Components:

tetrasodium ethylene diamine tetraacetate:

Genotoxicity in vitro	:	Test Type: Ames test
		Test system: Salmonella typhimurium
		Metabolic activation: with and without metabolic activation
		Result: negative

trisodium nitrilotriacetate:

Genotoxicity in vitro	:	Test Type: Ames test
		Metabolic activation: with and without metabolic activation
		Method: OECD Test Guideline 471
		Result: negative
		Test Type: In vitro mammalian cell gene mutation test
		Test system: Chinese hamster fibroblasts



SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

Genotoxicity in vivo	:	Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative
	:	Test Type: Micronucleus test Species: Mouse (male) Application Route: Oral Method: OECD Test Guideline 474 Result: negative

Carcinogenicity

Not classified due to lack of data.

Components:

trisodium nitrilotriacetate:

Carcinogenicity - Assessment	:	Limited evidence of carcinogenicity in animal studies
------------------------------	---	---

Reproductive toxicity

Not classified due to lack of data.

STOT - single exposure

Not classified due to lack of data.

Components:

4-hydroxy-4-methylpentan-2-one:

Assessment	:	May cause respiratory irritation.
------------	---	-----------------------------------

STOT - repeated exposure

Not classified due to lack of data.

Components:

tetrasodium ethylene diamine tetraacetate:

Exposure routes	:	Inhalation
Target Organs	:	Respiratory Tract
Assessment	:	The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Aspiration toxicity

Not classified due to lack of data.



SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

Further information

Product:

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

tetrasodium ethylene diamine tetraacetate:

Toxicity to fish	: LC50 (Bluegill (<i>Lepomis macrochirus</i>)): 792 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (<i>Daphnia magna</i> (Water flea)): 140 mg/l Exposure time: 48 h Remarks: The toxicological data has been taken from products of similar composition.
Toxicity to algae/aquatic plants	: NOEC (<i>Desmodesmus subspicatus</i> (green algae)): > 100 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test Method: Directive 67/548/EEC, Annex V, C.3.
Toxicity to fish (Chronic toxicity)	: NOEC: >= 25.7 mg/l Exposure time: 35 d Species: <i>Danio rerio</i> (zebra fish) Test Type: flow-through test Method: OECD Test Guideline 210 Remarks: The toxicological data has been taken from products of similar composition.
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: 25 mg/l Exposure time: 21 d Species: <i>Daphnia magna</i> (Water flea) Test Type: semi-static test Remarks: The toxicological data has been taken from products of similar composition.

4-hydroxy-4-methylpentan-2-one:

Toxicity to fish	: LC50 (<i>Oryzias latipes</i> (Orange-red killifish)): > 100 mg/l
------------------	---



SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

	Exposure time: 96 h
	Test Type: semi-static test
	Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (<i>Daphnia magna</i> (Water flea)): > 1,000 mg/l
	Exposure time: 48 h
	Test Type: semi-static test
	Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	: ErC50 (<i>Pseudokirchneriella subcapitata</i> (green algae)): > 1,000 mg/l
	Exposure time: 72 h
	Test Type: static test
	Method: OECD Test Guideline 201

trisodium nitrilotriacetate:

Toxicity to fish	: LC50 (<i>Pimephales promelas</i> (fathead minnow)): 103 mg/l
	Exposure time: 96 h
	Test Type: flow-through test
	LC50 (<i>Lepomis macrochirus</i> (Bluegill sunfish)): 270 mg/l
	Exposure time: 96 h
	Test Type: flow-through test
	Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: LC50 (<i>Daphnia magna</i> (Water flea)): 560 - 1,000 mg/l
	Exposure time: 48 h
	Test Type: static test
Toxicity to algae/aquatic plants	: ErC50 (<i>Desmodesmus subspicatus</i> (green algae)): > 100 mg/l
	Exposure time: 72 h
	Test Type: static test
	Method: OECD Test Guideline 201
Toxicity to fish (Chronic toxicity)	: NOEC: > 54 mg/l
	Exposure time: 224 d
	Species: <i>Pimephales promelas</i> (fathead minnow)
	Test Type: flow-through test

12.2 Persistence and degradability

Components:

tetrasodium ethylene diamine tetraacetate:

Biodegradability	: Result: Not readily biodegradable.
------------------	--------------------------------------



SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

Biodegradation: < 10 %
Exposure time: 28 d
Method: OECD Test Guideline 301E

Biodegradation: 90 - 100 %
Exposure time: 72 d
Method: OECD Test Guideline 301E

trisodium nitrilotriacetate:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 100 %
Exposure time: 14 d
Method: OECD Test Guideline 301E

12.3 Bioaccumulative potential

Components:

tetrasodium ethylene diamine tetraacetate:

Partition coefficient: n- : log Pow: < 3
octanol/water

4-hydroxy-4-methylpentan-2-one:

Partition coefficient: n- : log Pow: -0.098
octanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Additional ecological : No data available



SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

information

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- | | | |
|------------------------|---|--|
| Product | : | 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. |
| Waste Code | : | The Waste code should be assigned in discussion between the user and the waste disposal company.
The following Waste Codes are only suggestions:
13 02 06, synthetic engine, gear and lubricating oils |

SECTION 14: Transport information

14.1 UN number

- | | | |
|--------|---|-----------------------------------|
| ADR | : | Not regulated as a dangerous good |
| RID | : | Not regulated as a dangerous good |
| IMDG | : | Not regulated as a dangerous good |
| IATA_P | : | Not regulated as a dangerous good |

14.2 UN proper shipping name

- | | | |
|--------|---|-----------------------------------|
| ADR | : | Not regulated as a dangerous good |
| RID | : | Not regulated as a dangerous good |
| IMDG | : | Not regulated as a dangerous good |
| IATA_P | : | Not regulated as a dangerous good |

14.3 Transport hazard class(es)

- | | | |
|------|---|-----------------------------------|
| ADR | : | Not regulated as a dangerous good |
| RID | : | Not regulated as a dangerous good |
| IMDG | : | Not regulated as a dangerous good |



SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

IATA_P : Not regulated as a dangerous good

14.4 Packing group

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA (Cargo) : Not regulated as a dangerous good

IATA_P (Passenger) : Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol 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

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17) : Conditions of restriction for the following entries should be considered:
Number on list 3
4-hydroxy-4-methylpentan-2-one
(Number on list 3)

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable

The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable

P5c



SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

according to Detergents Regulation EC 648/2004 : 5 % or over but less than 15 %: Non-ionic surfactants
less than 5 %: EDTA and salts thereof, Anionic surfactants

Regulation (EC) No. 648/2004, as amended : 5 % or over but less than 15 %: Non-ionic surfactants
less than 5 %: EDTA and salts thereof, Anionic surfactants

Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

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

TCSI	: Not in compliance with the inventory
TSCA	: Product contains substance(s) not listed on TSCA inventory.
AIIC	: Not in compliance with the inventory
DSL	: This product contains the following components that are not on the Canadian DSL nor NDSL. Proprietary of COOLING SYSTEM CLEANER (000000272891)
ENCS	: Not 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	: Not in compliance with the inventory

15.2 Chemical safety assessment

No data available

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)



SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

SECTION 16: Other information

Full text of H-Statements

H226	:	Flammable liquid and vapour.
H302	:	Harmful if swallowed.
H318	:	Causes serious eye damage.
H319	:	Causes serious eye irritation.
H332	:	Harmful if inhaled.
H335	:	May cause respiratory irritation.
H351	:	Suspected of causing cancer.
H373	:	May cause damage to organs through prolonged or repeated exposure if inhaled.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Carc.	:	Carcinogenicity
Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Flam. Liq.	:	Flammable liquids
STOT RE	:	Specific target organ toxicity - repeated exposure
STOT SE	:	Specific target organ toxicity - single exposure
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	:	Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-



SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758

Valvoline™ COOLING SYSTEM CLEANER

Version: 6.0

Revision Date: 20.06.2024

Print Date: 27/06/2024

operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Internal information : 000000272891

Classification of the mixture:

Eye Dam. 1

H318

Classification procedure:

Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is 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.

GB / EN