



## SAFETY DATA SHEET

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

Valvoline™ DPF CLEANER & REGENERATOR

Version: 7.0

Revision Date: 24.05.2024

Print Date: 27/06/2024

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

#### 1.1 Product identifier

Trade name : Valvoline™ DPF CLEANER & REGENERATOR

Product code : 890606

Unique Formula Identifier (UFI) : CER1-PJ93-V60A-37YS

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

Use of the substance/mixture : Fuels and fuel additives

#### 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)

Aspiration hazard, Category 1

H304: May be fatal if swallowed and enters airways.



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

Valvoline™ DPF CLEANER & REGENERATOR

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Long-term (chronic) aquatic hazard, Category 3

H412: Harmful to aquatic life with long lasting effects.

### 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 :

H304 May be fatal if swallowed and enters airways.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements :

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

#### Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

#### 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:

Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha  
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics

### 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



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1907/2006, as amended by UK REACH  
Regulations SI 2019/758

Valvoline™ DPF CLEANER & REGENERATOR

Version: 7.0

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Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	64742-48-9 265-150-3 649-327-00-6	Asp. Tox. 1; H304	>= 90 - <= 100
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	Not Assigned 926-141-6 01-2119456620-43-xxxx	Asp. Tox. 1; H304	>= 1 - < 10
2,6-di-tert-butyl-p-cresol	128-37-0 204-881-4 01-2119565113-46-xxxx	Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	>= 0.25 - < 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.  
Symptoms of poisoning may appear several hours later.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.  
If on clothes, remove clothes.
- 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.



## SAFETY DATA SHEET

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Version: 7.0

Revision Date: 24.05.2024

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Do NOT induce vomiting.  
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.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No symptoms known or expected.

Risks : May be fatal if swallowed and enters airways.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No hazards which require special first aid measures.

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

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

#### 5.3 Advice for firefighters

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

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.



## SAFETY DATA SHEET

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Version: 7.0

Revision Date: 24.05.2024

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Use a water spray to cool fully closed containers.

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.

#### 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.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

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

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.  
Keep away from open flames, hot surfaces and sources of ignition.

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



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Valvoline™ DPF CLEANER & REGENERATOR

Version: 7.0

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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 : No smoking. Keep in a well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. 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

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen treated naphtha	64742-48-9	TWA	1,200 mg/m <sup>3</sup> (as total hydrocarbons)	SUPLR EXP
		TWA	1,200 mg/m <sup>3</sup> (as total hydrocarbons)	SUPLR EXP
2,6-di-tert-butyl-p-cresol	128-37-0	TWA	10 mg/m <sup>3</sup>	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.



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

Valvoline™ DPF CLEANER & REGENERATOR

Version: 7.0

Revision Date: 24.05.2024

Print Date: 27/06/2024

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 : light brown  
Odour : characteristic  
Odour Threshold : No data available  
  
pH : No data available  
No data available  
  
Melting point/freezing point : No data available  
  
Initial boiling point and boiling range : 160 °C  
Flash point : 61 °C  
  
Evaporation rate : No data available  
  
Flammability (solid, gas) : No data available  
  
Upper explosion limit / Upper flammability limit : 7 %(V)  
  
Lower explosion limit / Lower flammability limit : 0.5 %(V)  
  
Vapour pressure : No data available  
  
Relative vapour density : No data available  
  
Relative density : No data available  
  
Density : ca. 0.9599 g/cm<sup>3</sup> (20 °C)  
  
Solubility(ies)  
Water solubility : No data available  
No data available  
Solubility in other solvents : No data available  
  
Partition coefficient: n- : No data available



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Valvoline™ DPF CLEANER & REGENERATOR

Version: 7.0

Revision Date: 24.05.2024

Print Date: 27/06/2024

octanol/water  
Decomposition temperature : No data available

Viscosity  
Viscosity, dynamic : No data available

Viscosity, kinematic : ca. 7 mm<sup>2</sup>/s (40 °C)

Oxidizing properties : No data available

### 9.2 Other information

Particle size : Not applicable

Self-ignition : No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 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.

Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : None known.

### 10.5 Incompatible materials

Materials to avoid : Strong acids  
Strong oxidizing agents

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.



## SAFETY DATA SHEET

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Valvoline™ DPF CLEANER & REGENERATOR

Version: 7.0

Revision Date: 24.05.2024

Print Date: 27/06/2024

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

Not classified due to lack of data.

##### Components:

##### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics:

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

##### 2,6-di-tert-butyl-p-cresol:

Acute oral toxicity	:	LD50 (Rat): > 6,000 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute dermal toxicity	:	LD50 (Rat): > 2,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity Remarks: No mortality observed at this dose.

##### Skin corrosion/irritation

Not classified due to lack of data.

##### Components:

##### Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha:

Result	:	Mild skin irritation
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##### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics:

Result	:	Repeated exposure may cause skin dryness or cracking.
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##### 2,6-di-tert-butyl-p-cresol:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

##### Serious eye damage/eye irritation

Not classified due to lack of data.



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Version: 7.0

Revision Date: 24.05.2024

Print Date: 27/06/2024

### Components:

**Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha:**

Result : Slightly to moderately irritating to eyes

**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics:**

Result : Slight, transient irritation

**2,6-di-tert-butyl-p-cresol:**

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : Slight, transient irritation

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified due to lack of data.

#### **Respiratory sensitisation**

Not classified due to lack of data.

### Components:

**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics:**

Assessment : Did not cause sensitisation on laboratory animals.  
Method : OECD Test Guideline 406

**2,6-di-tert-butyl-p-cresol:**

Assessment : Does not cause skin sensitisation.

### **Germ cell mutagenicity**

Not classified due to lack of data.

### Components:

**Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha:**

Germ cell mutagenicity-Assessment : Classified based on benzene content < 0.1% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note P)



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Version: 7.0

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Print Date: 27/06/2024

### 2,6-di-tert-butyl-p-cresol:

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

### Carcinogenicity

Not classified due to lack of data.

### Components:

### Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen treated naphtha:

Carcinogenicity - Assessment : **Classified based on benzene content < 0.1% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note P)**

### Reproductive toxicity

Not classified due to lack of data.

### STOT - single exposure

Not classified due to lack of data.

### STOT - repeated exposure

Not classified due to lack of data.

### Aspiration toxicity

May be fatal if swallowed and enters airways.

### Components:

### Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen treated naphtha:

**May be fatal if swallowed and enters airways.**

### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics:

**May be fatal if swallowed and enters airways.**

### Further information

### Product:

Remarks : Solvents may degrease the skin.



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Valvoline™ DPF CLEANER & REGENERATOR

Version: 7.0

Revision Date: 24.05.2024

Print Date: 27/06/2024

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

##### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics:

Toxicity to fish	:	LL50 (Oncorhynchus mykiss (rainbow trout)): > 1,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EL50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EL50 (Pseudokirchneriella subcapitata (green algae)): > 1,000 mg/l Exposure time: 72 h

##### 2,6-di-tert-butyl-p-cresol:

Toxicity to fish	:	LC50 (Fish): estimated 0.199 mg/l Exposure time: 96 h Remarks: QSAR
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0.48 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
M-Factor (Acute aquatic toxicity)	:	1
Toxicity to fish (Chronic toxicity)	:	NOEC: 0.053 mg/l Exposure time: 42 d Species: Oryzias latipes (Orange-red killifish) Test Type: flow-through test
M-Factor (Chronic aquatic toxicity)	:	1

#### 12.2 Persistence and degradability

##### Components:

##### 2,6-di-tert-butyl-p-cresol:

Biodegradability	:	Result: Not readily biodegradable. Biodegradation: 4.5 % Exposure time: 28 d
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## SAFETY DATA SHEET

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Valvoline™ DPF CLEANER & REGENERATOR

Version: 7.0

Revision Date: 24.05.2024

Print Date: 27/06/2024

Physico-chemical removability	Method: <b>OECD Test Guideline 301C</b>
	Remarks: <b>The product can be degraded by abiotic (e.g. chemical or photolytic) processes.</b>

### 12.3 Bioaccumulative potential

#### Components:

#### **2,6-di-tert-butyl-p-cresol:**

Partition coefficient: n-octanol/water	log Pow: <b>4.17 (21 °C)</b>
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### 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.
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### 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 information	: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product	: The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
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Valvoline™ DPF CLEANER & REGENERATOR

Version: 7.0

Revision Date: 24.05.2024

Print Date: 27/06/2024

- Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.
- 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

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### 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  
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



## SAFETY DATA SHEET

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

Valvoline™ DPF CLEANER & REGENERATOR

Version: 7.0

Revision Date: 24.05.2024

Print Date: 27/06/2024

**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
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
Control of Major Accident Hazards Regulations 34 2015 (COMAH)	:	Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a) to (d)



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Version: 7.0

Revision Date: 24.05.2024

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### 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 DPF CLEANER & REGENERATOR (000000272886)
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)

## SECTION 16: Other information

### Full text of H-Statements

H304	:	May be fatal if swallowed and enters airways.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Asp. Tox.	:	Aspiration hazard
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits
SUPLR EXP	:	Supplier-recommended exposure guidelines
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)



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SUPLR EXP / TWA : Time weighted average

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-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 : 000000272886

#### Classification of the mixture:

Asp. Tox. 1	H304
Aquatic Chronic 3	H412

#### Classification procedure:

Calculation method
Calculation method



## **SAFETY DATA SHEET**

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

Valvoline™ DPF CLEANER & REGENERATOR

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