

CleanTEC DPF Flushing Liquid

Revision date: 22.04.2024

Product code: 2082

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

1.1. Product identifier

CleanTEC DPF Flushing Liquid

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

Use of the substance/mixture

cleaning solvent for diesel particulate filter

1.3. Details of the supplier of the safety data sheet

Company name: CMS CleanTEC GmbH

Street: Geretsrieder Str. 33

Place: D-84478 Waldkraiburg

Telephone: +49 (0)8638 55 79

E-mail: info@cleantec-chemie.de

Internet: www.cleantec-chemie.de

Telefax: +49 (0)8638 8 46 97

Further Information

Article Number: 104

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Skin Corr. 1; H314

Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

sodium carbonate

trisodium phosphate

sodium meta silicate x 5 H₂O

Signal word: Danger

Pictograms:



Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves and eye/face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P405 Store locked up.

P501 Dispose of this material and its container to hazardous or special waste collection point.

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2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

nonionic tensides
corrosion preventing agent

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
497-19-8	sodium carbonate			1 - < 5 %
	207-838-8		01-2119485498-19	
	Eye Irrit. 2; H319			
10101-89-0	trisodium phosphate			1 - < 5 %
	231-509-8		01-2119489800-32	
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335			
6834-92-0	sodium meta silicate x 5 H ₂ O			1 - < 5 %
	229-912-9		01-2119449811-37	
	Met. Corr. 1, Skin Corr. 1B, STOT SE 3; H290 H314 H335			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
497-19-8	207-838-8	sodium carbonate	1 - < 5 %
		oral: LD50 = 4090 mg/kg	
10101-89-0	231-509-8	trisodium phosphate	1 - < 5 %
		oral: LD50 = >2000 mg/kg	
6834-92-0	229-912-9	sodium meta silicate x 5 H ₂ O	1 - < 5 %
		oral: LD50 = >5000 mg/kg	

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Immediately remove any wetted clothing, shoes or stockings.
Avoid contact with skin and eyes.

After inhalation

No risks worthy of mention.

After contact with skin

After contact with skin, wash immediately with: Water and soap.
Take off immediately all contaminated clothing, including underwear and shoes .

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting.



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Do not allow a neutralisation agent to be drunk.

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

No information available.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water fog.
Foam.
Carbon dioxide.
Extinguishing powder.
Atomized water.

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters

No information available.

Additional information

The product itself is not combustible.
Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Avoid contact with skin and eyes.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Wipe up with absorbent material (eg. cloth, fleece).

6.4. Reference to other sections

No data

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin and eyes.

Advice on general occupational hygiene

Take off immediately all contaminated clothing
Avoid contact with skin, eyes and clothes.

7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions

Store only in original container.
Protect against: frost.

7.3. Specific end use(s)

No information available.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

Eye/face protection

Tightly sealed safety glasses.

Hand protection

rubber gloves.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	transparent
Odour:	characteristic
Melting point/freezing point:	> 0 °C
Boiling point or initial boiling point and boiling range:	> 98 °C
Flash point:	> 100 °C
pH-Value (at 20 °C):	12 - 13
Water solubility:	miscible.
(at 20 °C)	
Density (at 20 °C):	1,0 - 1,1 g/cm ³

9.2. Other information

No data

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Do not mix with other chemicals or cleaners.

10.5. Incompatible materials

Do not mix with acids.

10.6. Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
497-19-8	sodium carbonate				
	oral	LD50 4090 mg/kg	Rat	IUCLID	
10101-89-0	trisodium phosphate				
	oral	LD50 >2000 mg/kg	Rat		
6834-92-0	sodium meta silicate x 5 H2O				
	oral	LD50 >5000 mg/kg	Rat		

Irritation and corrosivity

Causes severe skin burns and eye damage. (On basis of test data)

Causes serious eye damage. (On basis of test data)

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
497-19-8	sodium carbonate					
	Acute fish toxicity	LC50 300 mg/l	96 h	Lepomis macrochirus		
	Acute crustacea toxicity	EC50 265 mg/l	48 h	Daphnia magna	IUCLID	
10101-89-0	trisodium phosphate					
	Acute crustacea toxicity	EC50 2400 mg/l	48 h	Leuciscus idus		
6834-92-0	sodium meta silicate x 5 H2O					
	Acute fish toxicity	LC50 210 mg/l	96 h	Brachydanio rerio		
	Acute crustacea toxicity	EC50 216 mg/l	48 h	Daphnia magna		

12.2. Persistence and degradability

tensides biologically degradable.

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

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12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not dispose with household waste.

Do not empty into drains or the aquatic environment.

Arrange about the exact waste code with the local waste disposal expert.

due to the alkaline character of the product, usually, it has to be neutralized before contaminated effluents are introduced into the waste water treatment system.

List of Wastes Code - residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

List of Wastes Code - used product

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Contaminated packaging

Refer to manufacturer or supplier for information on recovery or recycling.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:

UN 1719

14.2. UN proper shipping name:

CAUSTIC ALKALI LIQUID, N.O.S.
sodium meta silicate x 5 H₂O

14.3. Transport hazard class(es):

8

14.4. Packing group:

III

Hazard label:

8



Classification code:

C5

Special Provisions:

274

Limited quantity:

5 L

Excepted quantity:

E1

Transport category:

3

Hazard No:

80

Tunnel restriction code:

E

Inland waterways transport (ADN)

14.1. UN number or ID number:

UN 1719

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14.2. UN proper shipping name:

CAUSTIC ALKALI LIQUID, N.O.S.
sodium meta silicate x 5 H₂O

14.3. Transport hazard class(es):

8

14.4. Packing group:

III

Hazard label:

8



Classification code:

C5

Special Provisions:

274

Limited quantity:

5 L

Excepted quantity:

E1

Marine transport (IMDG)

14.1. UN number or ID number:

UN 1719

14.2. UN proper shipping name:

CAUSTIC ALKALI LIQUID, N.O.S.
sodium meta silicate x 5 H₂O

14.3. Transport hazard class(es):

8

14.4. Packing group:

III

Hazard label:

8



Marine pollutant:

-

Special Provisions:

223 274

Limited quantity:

5 L

Excepted quantity:

E1

EmS:

F-A, S-B

Segregation group:

18 - alkalis

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:

UN 1719

14.2. UN proper shipping name:

CAUSTIC ALKALI LIQUID, N.O.S.
sodium meta silicate x 5 H₂O

14.3. Transport hazard class(es):

8

14.4. Packing group:

III

Hazard label:

8



Special Provisions:

A3 A803

Limited quantity Passenger:

1 L

Passenger LQ:

Y841

Excepted quantity:

E1

IATA-packing instructions - Passenger:

852

IATA-max. quantity - Passenger:

5 L

IATA-packing instructions - Cargo:

856

IATA-max. quantity - Cargo:

60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:

No

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

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No information available.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

2004/42/EC (VOC): 0,3 % (3 g/l)

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

Contains:

< 5 % Phosphate

< 5 % nonionic tensides

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

sodium carbonate

trisodium phosphate

sodium meta silicate x 5 H₂O

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,11,12,14,15.

Abbreviations and acronyms

Met. Corr: Corrosive to metals

Skin Corr: Skin corrosion

Skin Irrit: Skin irritation

Eye Dam: Eye damage

Eye Irrit: Eye irritation

STOT SE: Specific target organ toxicity - single exposure

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Skin Corr. 1; H314	On basis of test data
Eye Dam. 1; H318	On basis of test data

Relevant H and EUH statements (number and full text)

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

Safety Data Sheet

according to UK REACH Regulation

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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)