

Trade name: Maxi Fresh

Substance number: 1361DENTAL

Version: 1 / GB

Date revised: 31.07.2023

Replaces Version: - / GB

Print date: 31.07.2023

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

1.1. Product identifier

Maxi Fresh

UFI

UFI: 00CC-A0R6-G00W-XDF7

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

Use of the substance/preparation

Cleaning tablet for external cleaning of dental splints

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Dreve Dentamid GmbH

Max-Planck-Straße 31

59423 Unna

Telephone no. +49 2303 8807-0

Fax no. +49 2303 8807-29

Information provided Department Research & Development: Fax: +49 2303 8807-562

by / telephone

E-mail address of sicherheitsdatenblatt@dreve.com

person responsible

for this SDS

1.4. Emergency telephone number

Henkel Fire Department / 24h-Emergency-Contact-No.: +49 211 797-3350

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H302

Skin Corr. 1B H314

Eye Dam. 1 H318

Aquatic Chronic 3 H412

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms





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Signal word

Danger

Hazard statements

H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 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 or doctor.
 P501.1 Dispose of contents/container to industrial incineration plant.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Dinatriumcarbonate, compound with hydrogen peroxide (2:3); Sodium dodecyle sulphate; Pentapotassium bis(peroxymonosulphate) bis(sulphate)
 EUH208 Contains Mentha arvensis, extract May produce an allergic reaction.

2.3. Other hazards

No special hazards have to be mentioned.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous ingredients****Pentapotassium bis(peroxymonosulphate) bis(sulphate)**

CAS No. 70693-62-8
 EINECS no. 274-778-7
 Registration no. 01-2119485567-22
 Concentration \geq 25 < 49 %
 Classification (Regulation (EC) No. 1272/2008)
 Acute Tox. 4 H302
 Skin Corr. 1B H314
 Eye Dam. 1 H318
 Aquatic Chronic 3 H412

ATE oral 500 mg/kg
 ATE inhalative, Dust/Mist 3,7 mg/l

Sodium carbonate

CAS No. 497-19-8
 EINECS no. 207-838-8
 Registration no. 01-2119485498-19
 Concentration \geq 10 < 25 %
 Classification (Regulation (EC) No. 1272/2008)
 Eye Irrit. 2 H319

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Citric acid anhydrous

CAS No. 77-92-9
 EINECS no. 201-069-1
 Concentration \geq 10 < 20 %
 Classification (Regulation (EC) No. 1272/2008)
 Eye Irrit. 2 H319
 STOT SE 3 H335

Dinatriumcarbonate, compound with hydrogen peroxide (2:3)

CAS No. 15630-89-4
 EINECS no. 239-707-6
 Registration no. 01-2119457268-30
 Concentration \geq 3 < 7,5 %
 Classification (Regulation (EC) No. 1272/2008)
 Ox. Sol. 3 H272
 Acute Tox. 4 H302
 Eye Dam. 1 H318

ATE oral 1.034 mg/kg

Sodium dodecyle sulphate

CAS No. 151-21-3
 EINECS no. 205-788-1
 Registration no. 01-2119489461-32
 Concentration \geq 1 < 2,1 %
 Classification (Regulation (EC) No. 1272/2008)
 Flam. Sol. 2 H228
 Eye Dam. 1 H318
 Acute Tox. 4 H302
 Acute Tox. 4 H332
 Skin Irrit. 2 H315
 STOT SE 3 H335
 Aquatic Chronic 3 H412

ATE oral 1.200 mg/kg
 cATpE inhalative, Dust/Mist 1,5 mg/l

Mentha arvensis, extract

CAS No. 90063-97-1
 EINECS no. 290-058-5
 Registration no. 01-2119973492-30
 Concentration \geq 0,1 < 1 %
 Classification (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315
 Eye Irrit. 2 H319
 Skin Sens. 1 H317
 Aquatic Chronic 2 H411
 Asp. Tox. 1 H304

Other information

According Regulation on detergents (EC) No 648/2004 following substances shall be listed: Colorants, non-ionic surfactants, perfumes: <5,0%



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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air. Remove affected person from danger area. Summon a doctor immediately.

After skin contact

Wash off immediately with soap and water. Summon a doctor immediately.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

Call in a physician immediately and show him the Safety Data Sheet. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

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

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Recommended: alcohol resistant foam, CO₂, powders, water spray/mist, Extinguishing measures to suit surroundings

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus. Wear full protective suit.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations. Observe manufacturer's / distributor's instructions.



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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Knock down dust with water spray jet. Retain and dispose of contaminated wash water. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Avoid raising dust. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Containers in which spilt substance has been collected must be adequately labelled. Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid skin and eye contact. Avoid dust formation.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Provide solvent-resistant and impermeable floor.

Hints on storage assembly

Do not store together with foodstuffs.

Further information on storage conditions

Keep under lock and key or accessible only to specialists or people who are authorized.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

Contains no substances with occupational exposure limit values.

Derived No/Minimal Effect Levels (DNEL/DMEL)

Sodium carbonate

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	10	mg/m ³



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Dinatriumcarbonate, compound with hydrogen peroxide (2:3)

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	dermal	
Mode of action	Local effects	
Concentration	12,8	mg/cm ²

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	5	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Acute	
Route of exposure	dermal	
Mode of action	Local effects	
Concentration	6,4	mg/cm ²

Sodium dodecyle sulphate

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	24	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	2440	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	4060	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	85	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	



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Concentration	285	mg/m ³
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Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	0,28	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	50	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0,28	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	50	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	20	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	80	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	dermal	
Mode of action	Local effects	
Concentration	0,449	mg/cm ²

Predicted No Effect Concentration (PNEC)**Citric acid anhydrous**

Type of value	PNEC
Type	Freshwater



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Concentration	0,44	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,044	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	3,46	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	34,6	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	> 1000	mg/l
Type of value	PNEC	
Type	Soil	
Concentration	33,1	mg/kg
Dinatriumcarbonate, compound with hydrogen peroxide (2:3)		
Type of value	PNEC	
Type	Freshwater	
Concentration	0,035	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	16,24	mg/l
Sodium dodecyle sulphate		
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	0,055	mg/l
Type of value	PNEC	
Type	Freshwater	
Concentration	0,137	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,0137	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	4,82	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,482	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,882	mg/kg



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Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	1,35	mg/l

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Type of value	PNEC	
Type	Freshwater	
Concentration	0,022	mg/l

Type of value	PNEC	
Type	Saltwater	
Concentration	0,0022	mg/l

Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	0,0109	mg/l

Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,017	mg/kg

Type of value	PNEC	
Type	Marine sediment	
Concentration	0,00173	mg/kg

Type of value	PNEC	
Type	Soil	
Concentration	0,885	mg/kg

8.2. Exposure controls**General protective and hygiene measures**

Hold emergency shower available. Hold eye wash fountain available. Do not inhale dust/fumes/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Storage of foodstuffs in work rooms is forbidden. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Respiratory protection

Use suitable respiratory protective device in case of insufficient ventilation; Dust mask

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Hand protection must comply with EN 374.

Appropriate Material Butyl rubber

Eye protection

Tightly fitting safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**



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Physical state

Tablets

Colour

bluish white

Odour

characteristic

Melting point

Remarks

not determined

Freezing point

Remarks

not determined

Boiling point or initial boiling point and boiling range

Remarks

not determined

Flammability

evaluation

not determined

Upper and lower explosive limits

Remarks

not determined

Flash point

Remarks

Not applicable

Ignition temperature

Remarks

not determined

Decomposition temperature

Remarks

not determined

Self Accelerating Decomposition / Polymerization Temperature (SADT/SAPT)

Value

> 65 °C

pH value

Value

6 to 8

Temperature

25 °C

Viscosity

Remarks

not determined

Solubility(ies)

Remarks

not determined

Partition coefficient n-octanol/water (log value)

Remarks

not determined

Vapour pressure

Remarks

not determined

Density and/or relative density

Value

1,6

g/cm³**Relative vapour density**

Remarks

not determined

9.2. Other information**Odour threshold**

Remarks

not determined

Evaporation rate (ether = 1) :

Remarks

not determined

Solubility in water

Remarks

easily soluble

Explosive properties

evaluation

no



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Oxidising properties

Remarks not determined

Other information

None known

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Irritant gases/vapours, Toxic gases/vapours

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

ATE	1.443,75	mg/kg
	23	
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)**Mentha arvensis, extract**

Species	rat	
LD50	1,24	g/kg
Remarks	Test conducted with a similar formulation.	

Citric acid anhydrous

Species	mouse	
LD50	5400	mg/kg
Method	OECD 401	

Sodium carbonate

Species	rat	
LD50	2800	mg/kg

Dinatriumcarbonate, compound with hydrogen peroxide (2:3)

Species	rat	
LD50	1034	mg/kg

Sodium dodecyle sulphate

Species	rat	
LD50	1200	mg/kg



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Method OECD 401

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Species rat
 LD50 500 mg/kg
 Method OECD 423

Acute dermal toxicity

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

Acute dermal toxicity (Components)**Mentha arvensis, extract**

Species rabbit
 LD50 > 5 g/kg
 Remarks Test conducted with a similar formulation.

Citric acid anhydrous

Species rat
 LD50 > 2000 mg/kg
 Method OECD 402

Sodium carbonate

Species rabbit
 LD50 > 2000 mg/kg

Dinatriumcarbonate, compound with hydrogen peroxide (2:3)

Species rabbit
 LD50 > 2000 mg/kg

Sodium dodecyle sulphate

Species rat
 LD50 > 2000 mg/kg
 Method OECD 402
 Remarks Test conducted with a similar formulation.

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Species rat
 LD50 > 2000 mg/kg
 Method OECD 402

Acute inhalational toxicity

ATE 10,3054 mg/l
 Administration/Form Dust/Mist
 Method calculated value (Regulation (EC) No. 1272/2008)
 Remarks Based on available data, the classification criteria are not met.

Acute inhalative toxicity (Components)**Pentapotassium bis(peroxymonosulphate) bis(sulphate)**

Species rat
 LC50 3,7 mg/l
 Duration of exposure 4 h
 Administration/Form Dust/Mist
 Method OECD 403

Skin corrosion/irritation

evaluation corrosive
 Remarks The classification criteria are met.

Skin corrosion/irritation (Components)**Mentha arvensis, extract**

Species rabbit
 evaluation slightly irritant
 Source ECHA



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Sodium dodecyle sulphate

Species	rabbit
evaluation	irritant
Method	OECD 404

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Species	rabbit
evaluation	corrosive
Method	OECD 404

Serious eye damage/irritation

evaluation	corrosive
Remarks	The classification criteria are met.

Serious eye damage/irritation (Components)**Mentha arvensis, extract**

evaluation	irritant - risk of serious damage to eyes
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Citric acid anhydrous

Species	rabbit
evaluation	irritant
Method	OECD 405

Sodium carbonate

Species	rabbit
evaluation	irritant

Dinatriumcarbonate, compound with hydrogen peroxide (2:3)

Species	rabbit
evaluation	corrosive
Method	OECD 405

Sodium dodecyle sulphate

Species	rabbit
evaluation	corrosive
Method	OECD 405

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Species	rabbit
evaluation	corrosive
Method	OECD 405

Sensitization

Remarks	Based on available data, the classification criteria are not met.
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Sensitization (Components)**Mentha arvensis, extract**

Route of exposure	dermal
Species	guinea pig
evaluation	sensitizing
Remarks	Test conducted with a similar formulation.

Subacute, subchronic, chronic toxicity

Remarks	not determined
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Mutagenicity

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

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

Remarks	Based on available data, the classification criteria are not met.
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Specific Target Organ Toxicity (STOT)



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Single exposure

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

Repeated exposure

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

Specific Target Organ Toxicity (STOT) (Components)**Sodium dodecyle sulphate****Single exposure**

evaluation May cause respiratory irritation.

Aspiration hazard

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

Aspiration hazard (Components)**Mentha arvensis, extract**

Harmful: may cause lung damage if swallowed.

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Experience in practice

Inhalation of dusts may irritate the respiratory tract.

Other information

No toxicological data are available.

SECTION 12: Ecological information**12.1. Toxicity****General information**

not determined

Fish toxicity (Components)**Mentha arvensis, extract**

LC50	3,01		mg/l
Duration of exposure	96	h	
Method	QSAR		

Citric acid anhydrous

Species	golden orfe (<i>Leuciscus idus</i>)		
LC50	440		mg/l
Duration of exposure	48	h	
Method	OECD 203		

Sodium carbonate

Species	Bluegill (<i>Lepomis macrochirus</i>)		
LC50	300		mg/l
Duration of exposure	96	h	

Dinatriumcarbonate, compound with hydrogen peroxide (2:3)

Species	Fathead minnow (<i>Pimephales promelas</i>)		
LC50	70,7		mg/l
Duration of exposure	96	h	

Sodium dodecyle sulphate



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Species	Fathead minnow (<i>Pimephales promelas</i>)		
LC50	29		mg/l
Duration of exposure	96	h	
Method	OECD 203		

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	53		mg/l
Duration of exposure	96	h	
Method	OECD 203		

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Species	Cyprinodon variegatus		
NOEC	0,444		mg/l
Duration of exposure	37	d	

Daphnia toxicity (Components)**Mentha arvensis, extract**

EC50	2,43		
Duration of exposure	48	h	
Method	QSAR		

Citric acid anhydrous

Species	Daphnia magna		
LC50	1535		mg/l
Duration of exposure	24	h	

Sodium carbonate

Species	Ceriodaphnia spec		
EC50	200	to	227 mg/l
Duration of exposure	48	h	

Dinatriumcarbonate, compound with hydrogen peroxide (2:3)

Species	Daphnia pulex		
EC50	4,9		mg/l
Duration of exposure	48	h	

Sodium dodecyle sulphate

Species	Ceriodaphnia spec		
LC50	5,55		mg/l
Duration of exposure	48	h	

Sodium dodecyle sulphate

Species	Ceriodaphnia spec		
NOEC	0,88		mg/l
Duration of exposure	7	d	

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Species	Daphnia magna		
EC50	3,5		mg/l
Duration of exposure	48	h	
Method	OECD 202		

Algae toxicity (Components)**Mentha arvensis, extract**

EC50	2,63		mg/l
Duration of exposure	96	h	

Citric acid anhydrous

Species	Scenedesmus quadricauda		
NOEC	425		mg/l
Duration of exposure	8	d	

Sodium dodecyle sulphate

Species	Scenedesmus subspicatus		
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NOEC	30		mg/l
Duration of exposure	72	h	
Method	DIN 38412 / Part 9		

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Species	Pseudokirchneriella subcapitata		
ErC50	> 1		mg/l
Duration of exposure	72	h	
Method	OECD 201		

Bacteria toxicity (Components)**Dinatriumcarbonate, compound with hydrogen peroxide (2:3)**

Species	activated sludge		
EC50	466		mg/l
Duration of exposure	30	min	
Remarks	Test conducted with a similar formulation.		

Sodium dodecyle sulphate

Species	activated sludge		
EC50	135		mg/l
Duration of exposure	3	h	

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Species	activated sludge		
EC50	100		mg/l
Duration of exposure	3	h	
Method	OECD 209		

12.2. Persistence and degradability**General information**

not determined

Ready degradability (Components)**Mentha arvensis, extract**

Source ECHA

Sodium dodecyle sulphate

Value	95,8		%
Duration of test	28	Days	

12.3. Bioaccumulative potential**General information**

not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Octanol/water partition coefficient (log Pow) (Components)**Mentha arvensis, extract**

log Pow	2,73	to	6,99
Temperature	25	°C	
Source	ECHA		

Citric acid anhydrous

log Pow	-1,8	to	-1,6
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Sodium dodecyle sulphate

log Pow	<=	-2,03	
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Pentapotassium bis(peroxymonosulphate) bis(sulphate)

log Pow	<	0,3	
Temperature	20	°C	



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12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

General information

not determined

Results of PBT and vPvB assessment

The product contains no PBT substances

The product contains no vPvB substances.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the environment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

General information

not determined

General information / ecology

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Must not be disposed together with household garbage.

Dispose of waste according to applicable legislation.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

Trade name: Maxi Fresh




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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	3261	3261	3261
14.2. UN proper shipping name	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (Pentapotassium bis(peroxymonosulphate) bis(sulphate))	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (Pentapotassium bis(peroxymonosulphate) bis(sulphate))	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (Pentapotassium bis(peroxymonosulphate) bis(sulphate))
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 kg	1 kg	
Transport category	2		
14.5. Environmental hazards	-		
Tunnel restriction code	E		

SECTION 15: Regulatory information

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H302	Calculation method
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method
Aquatic Chronic 3	H412	Calculation method

Hazard statements listed in Chapter 2/3

H228	Flammable solid.
H272	May intensify fire; oxidizer.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.



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H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 2/3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Flam. Sol. 2	Flammable solid, Category 2
Ox. Sol. 3	Oxidising solid, Category 3
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.