

Trade name: OtoVita Cleaning Tablets

Substance number: 1358X1

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

OtoVita Cleaning Tablets

UFI

UFI: 3RE-1-V0EE-A00V-FPR3

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

Use of the substance/preparation

Disinfectant of earmolds

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Dreve Otoplastik GmbH

Max-Planck-Straße 31

59423 Unna

Telephone no. +49 2303 8807-0

Fax no. +49 2303 8807-29

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

E-mail address of person responsible

sicherheitsdatenblatt@dreve.de

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); 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 < 50 %
 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	>= 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	>= 3	<	9,9	%
Classification (Regulation (EC) No. 1272/2008)				
	Ox. Sol. 3		H272	
	Acute Tox. 4		H302	
	Eye Dam. 1		H318	

ATE	oral	1.034	mg/kg
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Cetalkonium chloride

CAS No.	204-526-3			
EINECS no.	122-18-9			
Registration no.	01-2120764433-54			
Concentration	>= 0,25	<	1	%
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 4		H302	
	Acute Tox. 4		H312	
	Skin Corr. 1B		H314	
	Eye Dam. 1		H318	
	Aquatic Acute 1		H400	
	Aquatic Chronic 1		H410	

Mentha arvensis, extract

CAS No.	90063-97-1			
EINECS no.	290-058-5			
Registration no.	01-2119973492-30			
Concentration	>= 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

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

SECTION 4: First aid measures**4.1. Description of first aid measures**



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General information

Remove contaminated 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.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing. Avoid inhalation of dusts.



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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

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



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Concentration 12,8 mg/cm²

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/m³

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/cm²

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/m³

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/m³

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/m³

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/m³

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



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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	
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

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	



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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

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



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Upper and lower explosive limits

Remarks not determined

Flash point

Remarks Not applicable

Ignition temperature

Value 150 °C

Decomposition temperature

Remarks No decomposition if used as prescribed.

pH valueValue 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 densityValue 1,6 g/cm³
Temperature 20 °C**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

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.

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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	1.497,06 67	mg/kg
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

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Species	rat	
LD50	500	mg/kg
Method	OECD 423	

Cetalkonium chloride

Species	rat	
LD50	1300	mg/kg

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	
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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

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Species		rat	
LD50	>	2000	mg/kg
Method		OECD 402	

Cetalkonium chloride

Species		rat	
LD50		1300	mg/kg

Acute inhalational toxicity

ATE		11,6352	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

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Species		rabbit
evaluation		corrosive
Method		OECD 404

Cetalkonium chloride

Species		mouse
evaluation		corrosive
Remarks		Test conducted with a similar formulation.

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
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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

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Species	rabbit
evaluation	corrosive
Method	OECD 405

Cetalkonium chloride

Species	rabbit
evaluation	corrosive
Remarks	Test conducted with a similar formulation.

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)**Single exposure**

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

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

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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	

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)

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

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

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

Cetalkonium chloride

Species	Daphnia magna		
EC50	0,22		mg/l
Duration of exposure	24	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	

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

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

Cetalkonium chloride

Species	Chlorella vulgaris		
EC50	0,161		mg/l
Duration of exposure	96	h	

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.		

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

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

Cetalkonium chloride

EC50	0,22		mg/l
Duration of exposure	30	min	

12.2. Persistence and degradability**General information**

not determined

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

Source ECHA

Cetalkonium chloride



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Value	50	to	60	%
Duration of test	20	d		

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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Pentapotassium bis(peroxymonosulphate) bis(sulphate)

log Pow	<	0,3	
Temperature	20	°C	

Cetalkonium chloride

log Pow	3,022		
Temperature	25	°C	
Method	OECD 107		

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**

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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

	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), Cetalkonium chloride)	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (Pentapotassium bis(peroxymonosulphate) bis(sulphate), Cetalkonium chloride)	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (Pentapotassium bis(peroxymonosulphate) bis(sulphate), Cetalkonium chloride)
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



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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

H272	May intensify fire; oxidizer.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
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 Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
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
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.