

* O 33 Aktiv 5

Date revised: 17.07.2023

8740008511

Version: 16 / GB

Master No. MA-214

Print date: 17.04.2024

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

1.1. Product identifier

Trade name

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

Use of the substance/mixture

Disinfectant

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

BÜFA Cleaning GmbH & Co. KG

August-Hanken-Str. 30

26125 Oldenburg

Telephone no. +49 441 9317 0

Fax no. +49 441 9317 100

Information provided Department product safety / +49 441 9317 108

by / telephone

E-Mail sds-cleaning@buefa.de

1.4. Emergency telephone number

Poison Information Center Goettingen: +49 551 19240

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

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

Ox. Liq. 2	H272
Met. Corr. 1	H290
Acute Tox. 4	H302
Acute Tox. 4	H332
Skin Corr. 1A	H314
Eye Dam. 1	H318
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

*
*
*

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****Signal word**

Danger

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Hazard statements ***

H272	May intensify fire; oxidizer.
H290	May be corrosive to metals.
H302+H332	Harmful if swallowed or if inhaled.
H314	Causes severe skin burns and eye damage.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statements ***

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P234	Keep only in original packaging.
P260.3	Do not breathe mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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 or doctor.
P403	Store in a well-ventilated place.
P411.1	Store at temperatures not exceeding 30°C.

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

contains *** Peroxyacetic acid; Hydrogen peroxide; acetic acid

Sensitising substances**Supplemental information**

EUH071 Corrosive to the respiratory tract.

2.3. Other hazards

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 *******hydrogen peroxide solution... %**

CAS No.	7722-84-1
EINECS no.	231-765-0
Registration no.	01-2119485845-22-XXXX
Concentration	>= 25 < 29 %
Ox. Liq. 1	H271
Acute Tox. 4	H332
Acute Tox. 4	H302
Skin Corr. 1A	H314

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Dam. 1	H318	>= 8 < 50 %
Eye Irrit. 2	H319	>= 5 < 8 %
Ox. Liq. 1	H271	>= 70 %
Ox. Liq. 2	H272	>= 50 < 70 %
Skin Corr. 1A	H314	>= 70 %
Skin Corr. 1B	H314	>= 50 < 70 %
Skin Irrit. 2	H315	>= 35 < 50 %
STOT SE 3	H335	>= 35 %
ATE oral	416	

Additional remarks:

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CLP Regulation (EC) No 1272/2008, Annex VI, Note B

acetic acid ... %

CAS No.	64-19-7
EINECS no.	200-580-7
Registration no.	01-2119475328-30-XXXX
Concentration	>= 5 < 10 %
Flam. Liq. 3	H226
Skin Corr. 1A	H314

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Irrit. 2	H319	>= 10 < 25 %
Skin Corr. 1A	H314	>= 90 %
Skin Corr. 1B	H314	>= 25 < 90 %
Skin Irrit. 2	H315	>= 10 < 25 %

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note B

peroxyacetic acid ... %

CAS No.	79-21-0
EINECS no.	201-186-8
Registration no.	01-2119531330-56-XXXX
Concentration	>= 3 < 5 %
Flam. Liq. 3	H226
Skin Corr. 1A	H314
Acute Tox. 4	H302
Acute Tox. 4	H312
Org. Perox. D	H242
Acute Tox. 4	H332
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Concentration limits (Regulation (EC) No. 1272/2008)

STOT SE 3	H335	>= 1 %
ATE oral	100	
ATE dermal	1100	
ATE inhalative	76	

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note B, D

For explanation of abbreviations see section 16.

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

Ensure supply of fresh air. Summon a doctor immediately.

After skin contact

Wash off immediately with soap and water.

After eye contact

In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. Seek medical advice immediately.

After ingestion

Do not induce vomiting. Call in a physician immediately and show him the Safety Data Sheet.

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

There is no further relevant information available

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

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There is no further relevant information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Dry powder, Extinguishing measures to suit surroundings

Non suitable extinguishing media

Full water jet, organic compounds

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby, pressure build-up and danger of bursting are possible. Contact with combustible material may cause fire.

5.3. Advice for firefighters

Use self-contained breathing apparatus.

Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep people away and stay on the upwind side. Use breathing apparatus if exposed to vapours/dust/aerosol. Use personal protective clothing.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). When picked up, treat material as prescribed under Section 13 "Disposal".

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

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return rest to the storage containers.

Keep away from sources of ignition - No smoking. The product is not combustible, however it supports combustion.

7.2. Conditions for safe storage, including any incompatibilities

Keep only in original packaging. Provide acid-resistant floor. Provide ventilation of containers.

Do not store with combustible materials. Do not store together with textiles. Do not store together with:

Reducing agents, Alkalis

Protect from heat and direct sunlight.

7.3. Specific end use(s)

No information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

acetic acid ... %

List

EH40

Type

WEL

Value

25

mg/m³

10

ppm(V)

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Short term exposure limit	50	mg/m ³	20	ppm(V)
acetic acid ... %				
List	IOELV			
Type	IOELV			
Value	25	mg/m ³	10	ppm(V)
Short term exposure limit	50	mg/m ³	20	ppm(V)
hydrogen peroxide solution... %				
List	EH40			
Type	WEL			
Value	1.4	mg/m ³	1	ppm(V)
Short term exposure limit	2.8	mg/m ³	2	ppm(V)

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals. Personal protective equipment must comply with the Regulation (EC) No 2016/425 and the resulting CEN standards. The following information on personal protective equipment (PPE) is to be understood as a suggestion. The selection of the necessary PPE must be considered by the employer depending on the activities to be carried out and the local conditions. If it is determined during the on-site risk assessment that there is no danger to the employee, there is no need to wear PPE or the scope of the PPE to be used can be adjusted accordingly.

Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Self-contained breathing apparatus. Short term: filter apparatus, Filter B

Hand protection

Chemical resistant gloves

Appropriate Material	nitrile
Material thickness	> 0,7 mm
Breakthrough time	> 480 min

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leaktightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection

Tightly fitting safety glasses; Eye protection must comply with EN 166.

Body protection

Impermeable protective clothing; Personal protective clothing must comply with the relevant CEN standards.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	colourless
Odour	pungent
Melting point	
Value	< -18 °C
Boiling point	
Value	> 100 °C
Flammability	
evaluation	Not applicable
Explosion limits	
Remarks	not determined

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Flash point

Value > 73 °C

Ignition temperature

Remarks not determined

Self Accelerating Decomposition / Polymerization Temperature (SADT/SAPT)

Value > 60 °C

Remarks SADT

pH valueValue 2,50 to 3,50
Concentration/H₂O 10 %**Viscosity****kinematic**Value appr. 1,255 mm²/s
Temperature 20 °C**Solubility in other solvents**

not determined

Octanol/water partition coefficient (log Pow)

Remarks Not relevant

Vapour pressure

Remarks not determined

DensityValue appr. 1,11 kg/l
Temperature 20 °C**Vapour density**

Remarks not determined

Particle characteristics

Remarks Not relevant

9.2. Other information**Odour threshold**

Remarks No data available

Solubility in water

Remarks Completely miscible

Explosive properties

The product is not explosive, but the formation of explosive vapour/air mixtures is possible.

Oxidising properties

evaluation Fire in contact with combustible material.

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

Gaseous decomposition products cause pressure to build up in tightly sealed vessels.

10.2. Chemical stability

Protect from heat/overheating.

10.3. Possibility of hazardous reactions

Gaseous decomposition products cause pressure to build up in tightly sealed vessels. Reactions with impurities.

10.4. Conditions to avoid

Do not keep the container sealed.

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10.5. Incompatible materials

Reactions with alkalis and metals. Reactions with combustible substances.

10.6. Hazardous decomposition products

Oxygen, Water

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

ATE	902	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	
The classification criteria are met.		

Acute oral toxicity (Components)

peroxyacetic acid ... %

hydrogen peroxide solution... %

acetic acid ... %

Species	Rats (male/female)	
LD50	3310	mg/kg

Acute dermal toxicity

ATE	> 10.000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	
Based on available data, the classification criteria are not met.		

Acute dermal toxicity (Components)

peroxyacetic acid ... %

Acute inhalational toxicity

ATE	35,67	mg/l
Administration/Form	Vapors	
Method	calculated value (Regulation (EC) No. 1272/2008)	
ATE	4,86	mg/l
Administration/Form	Dust/Mist	
Method	calculated value (Regulation (EC) No. 1272/2008)	
The classification criteria are met.		

Acute inhalative toxicity (Components)

peroxyacetic acid ... %

acetic acid ... %

Skin corrosion/irritation

evaluation	corrosive
The classification criteria are met.	

Serious eye damage/irritation

evaluation	corrosive
The classification criteria are met.	

Sensitization

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

Sensitization (Components)

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

Mutagenicity

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

Reproductive toxicity

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

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Carcinogenicity

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

Specific Target Organ Toxicity (STOT)**Single exposure**

The classification criteria are met.

evaluation

May cause respiratory irritation.

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

The product has not been tested. The information is derived from the properties of the individual components.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity**

Reference substance	Peroxyacetic acid		
Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	0,9	to	2,0 mg/l
Duration of exposure	96	h	

Fish toxicity**peroxyacetic acid ... %**

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	0,9	to	2,0 mg/l
Duration of exposure	96	h	

acetic acid ... %

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	> 300,82		mg/l
Duration of exposure	96	h	

hydrogen peroxide solution... %

Reference substance	hydrogen peroxide solution... %		
Species	Fathead minnow (<i>Pimephales promelas</i>)		
LC50	16,4		mg/l
Duration of exposure	96	h	

Daphnia toxicity

Reference substance	Peroxyacetic acid		
Species	Daphnia magna		
EC50	0,5	to	1,0 mg/l
Duration of exposure	48	h	

Daphnia toxicity**peroxyacetic acid ... %**

Species	Daphnia magna		
EC50	0,5	to	1,0 mg/l
Duration of exposure	48	h	

acetic acid ... %

Species	Daphnia magna		
EC50	> 300,82		mg/l
Duration of exposure	48	h	

hydrogen peroxide solution... %

Reference substance	hydrogen peroxide solution... %		
Species	Daphnia pulex		

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EC50	2,4			mg/l
Duration of exposure	48	h		

Algae toxicity

Reference substance	Peroxyacetic acid			
Species	Selenastrum capricornutum			
EC50	0,18	to	1,0	mg/l
Duration of exposure	48	h		

Algae toxicity**peroxyacetic acid ... %**

Species	Pseudokirchneriella subcapitata			
EC50	0,18	to	1,0	mg/l
Duration of exposure	48	h		

acetic acid ... %

Species	Skeletonema costatum			
EC50	> 300,82			mg/l
Duration of exposure	72	h		

hydrogen peroxide solution... %

Reference substance	hydrogen peroxide solution... %			
Species	Chlorella vulgaris			
IC50	2,5			mg/l
Duration of exposure	72	h		

Bacteria toxicity**hydrogen peroxide solution... %**

Reference substance	hydrogen peroxide solution... %			
Species	Pseudomonas putida			
EC10	11			mg/l
Duration of exposure	16	h		

12.2. Persistence and degradability

Do not discharge product unmonitored into the environment.

Biodegradability**acetic acid ... %**

evaluation readily degradable

12.3. Bioaccumulative potential

For this subsection there is no ecotoxicological data available on the product as such.

Octanol/water partition coefficient (log Pow)

Remarks Not relevant

12.4. Mobility in soil

For this subsection there is no ecotoxicological data available on the product as such.

12.5. Results of PBT and vPvB assessment**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

For this subsection there is no ecotoxicological data available on the product as such.

Behaviour in sewers [waste treatment plants]

The product is an acid. Neutralization is normally necessary before a waste water is discharged into

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sewage treatment plants.

SECTION 13: Disposal considerations

13.1. Waste treatment methods





Disposal recommendations for the product

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee
14.1. UN number	3149	3149
14.2. UN proper shipping name	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED
14.3. Transport hazard class(es)	5.1	5.1
Subsidiary risk	8, II	8, II
Label		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	 ENVIRONMENTALLY HAZARDOUS
Marine Pollutant		Marine Pollutant
Limited Quantity	1 I	1 I
Transport category	2	
Tunnel restriction code	E	
Hazard id. no.	58	
EmS		F-H, S-Q

Information for all modes of transport

14.6. Special precautions for user

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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Other information**14.7 Maritime transport in bulk according to IMO instruments**

Not relevant

SECTION 15: Regulatory information *****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Major-accident categories acc. 96/82/EC**

Category	3	Oxidizing	50.000	kg	200.000	kg
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Major-accident categories acc. 2012/18/EU ***

Category	P6b	SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES
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Category	E1	Hazardous to the Aquatic Environment
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Ingredients (Regulation (EC) No 648/2004)**15 % or over but less than 30 %:**

oxygen-based bleaching agents

National regulations Switzerland

SFOPH T no. 2361409

VOC ***

VOC (EU) 12,55 %

Other information

Acquisition, introduction, possession or use of this product by the general public is restricted by Regulation (EU) 2019/1148. All suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

The product does not contain substances according to: Annex XIV of Regulation (EC) No. 1907/2006 (REACH)

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]:**

Ox. Liq. 2	H272	On basis of test data
Met. Corr. 1	H290	On basis of test data
Acute Tox. 4	H302	Calculation method
Acute Tox. 4	H332	Calculation method
Skin Corr. 1A	H314	Calculation method
Eye Dam. 1	H318	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Calculation method

Hazard statements listed in Chapter 2/3

H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H271	May cause fire or explosion; strong oxidizer.
H272	May intensify fire; oxidizer.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H332	Harmful if inhaled.

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H400 Very toxic to aquatic life.
 H410 Very toxic 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
Eye Dam. 1	Serious eye damage, Category 1
Flam. Liq. 3	Flammable liquid, Category 3
Met. Corr. 1	Substance or mixture corrosive to metals, Category 1
Org. Perox. D	Organic peroxide, Type D
Ox. Liq. 1	Oxidising liquid, Category 1
Ox. Liq. 2	Oxidising liquid, Category 2
Skin Corr. 1A	Skin corrosion, Category 1A

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
 RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
 GGVSee: Gefahrgutverordnung See
 IMDG: International Maritime Code for Dangerous Goods
 CAS: Chemical Abstracts Service
 EAK: Europäischer Abfallkatalog
 EINECS: European Inventory of Existing Commercial Chemical Substances
 VOC: Volatile Organic Compound
 GefStoffV: Gefahrstoffverordnung
 TA Luft: Technische Anleitung zur Reinhaltung der Luft
 INCI: International Nomenclature of Cosmetic Ingredients
 n.a.g.: nicht anders genannt
 MAK: Maximale Arbeitsplatz-Konzentration
 AGW: Arbeitsplatzgrenzwert
 BGW: Biologischer Grenzwert
 TRGS: Technische Regeln für Gefahrstoffe
 OEL: Occupational exposure limit
 SUVA: Schweizerische Unfallversicherungsanstalt
 WEL: Workplace exposure limit
 MAC: Maximale aanvaarde concentratie (Netherlands)
 MEL: Maximum exposure limits
 NOEL: No observable effect level
 NOEC: No observable effect concentration
 LD: Lethal dose
 LC: Lethal concentration
 LLC: Lowest lethal concentration
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: Very persistent and very bioaccumulative
 SVHC: Substances of very high concern
 DNEL: Derived no effect level
 DMEL: Derived minimal effect level
 PNEC: Predicted no effect concentration
 PEC: Predicted environmental concentration
 GHS: Globally Harmonized System of classification and Labelling of Chemicals
 REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals
 UN: United Nations
 EG: Europäische Gemeinschaft
 EWG: Europäische Wirtschaftsgemeinschaft
 EU: European Union
 HSNO: Hazardous Substances and New Organisms Act (New Zealand)
 ATE: Acute Toxicity Estimate
 STOT: Specific Target Organ Toxicity
 IOELV: Indicative Occupational Exposure Limit Values

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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.