

* ProCare Tex 20 OB

Date revised: 17.01.2020

8770003207

Version: 9 / GB

Master No. MA-214

Date of printing: 20.05.2020

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

1.1. Product identifier

Trade name

ProCare Tex 20 OB

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

Use of the substance/mixture

oxygen-based bleaching agents

1.3. Details of the supplier of the safety data sheet

Address/Supplier

Miele & Cie. KG
Carl-Miele-Str. 29
33332 Gütersloh
Telephone no. +49 5241 89 0
Fax no. +49 5241 89 2090
Web: www.miele-professional.com

Address/Manufacturer

BÜFA Reinigungssysteme 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 produktsicherheit-rs@buefa.de

1.4. Emergency telephone number

Giftzentrale Goettingen: +49 551 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

| | |
|---------------|------|
| Eye Dam. 1 | H318 |
| STOT SE 3 | H335 |
| Acute Tox. 4 | H302 |
| Skin Irrit. 2 | H315 |

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008**Hazard pictograms****Signal word**

Danger

Hazard statements

| | |
|------|-----------------------------------|
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |
| H302 | Harmful if swallowed. |

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H315 Causes skin irritation.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280.2 Wear protective gloves/eye/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.

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

contains Hydrogen peroxide solution

2.3. Other hazards

The product does not contain PBT/vPvB-substances

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 | >= 35 < 50 % |
| Ox. Liq. 1 | H271 |
| Acute Tox. 4 | H332 |
| Acute Tox. 4 | H302 |
| Skin Corr. 1A | H314 |
| STOT SE 3 | H335 |
| Aquatic Chronic 3 | H412 |

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

There is no further relevant information available

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water spray jet, Extinguishing measures to suit surroundings

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Non suitable extinguishing media

Dry powder, Carbon dioxide, Full water jet

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 ventilation of containers.

Do not store with combustible materials. Do not store together with textiles. Do not store together with: Reducing agents, Alkalis

Storage class according to TRGS 510

5.1B Oxidising hazardous substances

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****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) |
| Maximum limit value; Skin resorption / sensibilisation: Pregnancy group: Status: 2005 | | | | |

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

Observe the usual precautions for handling chemicals. Personal protective equipment must comply with

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the Council Directive 89/686/EEC and the resulting CEN standards.

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
Breakthrough time 480 min
Hand protection must comply with EN 374.

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**

| | |
|----------------------------|-----------------|
| Form | liquid |
| Colour | colourless |
| Odour | pungent |
| pH value | |
| Value | 1,5 to 2,5 |
| Flash point | |
| Value | > 100 °C |
| Density | |
| Value | appr. 1,13 kg/l |
| Solubility in water | |
| Remarks | miscible |
| Viscosity | |
| Value | appr. 10 s |
| Method | DIN 53211 4 mm |

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.

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**

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Acute oral toxicity

ATE 3.400 mg/kg
Method calculated value (Regulation (EC) No. 1272/2008)

Acute oral toxicity (Components)

Hydrogen peroxide solution

Species rat
LD50 1190 mg/kg

Acute dermal toxicity (Components)

Hydrogen peroxide solution

Species rabbit
LD50 > 2000 mg/kg

Acute inhalational toxicity

ATE 31,43 mg/l
Administration/Form Vapors
Method calculated value (Regulation (EC) No. 1272/2008)

Acute inhalative toxicity (Components)

No toxicological data are available.

Skin corrosion/irritation

Corrosive action on the skin and mucous membrane.

Serious eye damage/irritation

evaluation strongly corrosive
Risk of serious damage to eyes.

Sensitization (Components)

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

Mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

Specific Target Organ Toxicity (STOT)

evaluation May cause respiratory irritation.

Aspiration hazard

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

SECTION 12: Ecological information

12.1. Toxicity

Fish toxicity

Hydrogen peroxide solution

Species Fathead minnow (*Pimephales promelas*)
LC50 16,4 mg/l
Duration of exposure 96 h
Species rainbow trout (*Oncorhynchus mykiss*)
LC50 38,5 mg/l
Duration of exposure 7 d

Daphnia toxicity

Hydrogen peroxide solution

Species *Daphnia magna*
EC50 2,4 mg/l
Duration of exposure 48 h

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Algae toxicity**Hydrogen peroxide solution**

| | | |
|----------------------|------|------|
| NOEC | 0,63 | mg/l |
| Duration of exposure | 72 | h |

Bacteria toxicity

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

12.2. Persistence and degradability

Do not discharge product unmonitored into the environment.

Ready degradability**Hydrogen peroxide solution****12.3. Bioaccumulative potential**

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

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**Evaluation of persistence and bioaccumulation potential**

The product does not contain PBT/vPvB-substances

12.6. 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 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****14.1. UN number**

UN number 2014

14.2. UN proper shipping name

HYDROGEN PEROXIDE, AQUEOUS SOLUTION

14.3. Transport hazard class(es)

Class 5.1(8)

14.4. Packing group

Packing group II

Tunnel restriction code E

Marine transport IMDG/GGVSee**14.1. UN number**

UN number 2014

14.2. UN proper shipping name

HYDROGEN PEROXIDE, AQUEOUS SOLUTION

14.3. Transport hazard class(es)

Class 5.1

Subsidiary risk 8

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14.4. Packing group

| | |
|---------------|----------|
| Packing group | II |
| EmS | F-H, S-Q |

SECTION 15: Regulatory information**Ingredients (Regulation (EC) No 648/2004)****30 % and more:**

oxygen-based bleaching agents

VOC

VOC (EU) 0 %

Other information

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

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

SECTION 16: Other information**Hazard statements listed in Chapter 3**

| | |
|------|--|
| H271 | May cause fire or explosion; strong oxidizer. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H412 | Harmful to aquatic life with long lasting effects. |

Abbreviations

PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very persistent and very bioaccumulative

CLP categories listed in Chapter 3

| | |
|-------------------|--|
| Acute Tox. 4 | Acute toxicity, Category 4 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment, chronic, Category 3 |
| Ox. Liq. 1 | Oxidising liquid, Category 1 |
| Skin Corr. 1A | Skin corrosion, Category 1A |
| 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.