

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.05.2017

Version number 101

Revision: 02.05.2017

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

- **1.1 Product identifier**
- **Trade name** EWE fitting disinfectant
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Disinfectant
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Wilhelm Ewe GmbH & Co. KG
Volkmaroder Str. 19
38104 Braunschweig
Tel: +49 (0)531-37005-0
Fax: +49 (0)531-37005-35
eMail: info@ewe-armaturen.de
www.ewe-armaturen.de
- **Informing department:** Product safety department
- **1.4 Emergency telephone number:**
Poison Control Center, Mainz
Tel. 00 49 / 61 31 / 19 240

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of the substances listed below with harmless additions (aqueous solution).
- **Dangerous components:** Void
- **Additional information**
For the wording of the listed hazard phrases refer to section 16.
biocidal ingredients: 1,5 g hydrogenperoxid in 100 g product.
silver (CAS 7440-22-4) < 0,1%

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General advice:**
Personal protection for the First Aider.
Keep warm, position comfortably and cover well.

(Contd. on page 2)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.05.2017

Version number 101

Revision: 02.05.2017

Trade name EWE fitting disinfectant

(Contd. of page 1)

No special measures required.

In case of unconsciousness bring patient into stable side position for transport.

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
 - **After skin contact** Change out of contaminated, saturated clothing.
 - **After eye contact**
Rinse immediately opened eye for several minutes under running water. Then consult doctor.
 - **After swallowing** Rinse out mouth and then drink plenty of water.
 - **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
 - **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.
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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
 - **Suitable extinguishing agents**
Product is non-flammable. Use fire fighting measure that suit the surroundings.
 - **5.2 Special hazards arising from the substance or mixture**
Product is non-flammable. Danger of decomposition with release of oxygen (oxidizing). Heat will increase pressure and may lead to the container exploding.
 - **5.3 Advice for firefighters**
 - **Protective equipment:**
See section 8.
Wear self-contained breathing apparatus.
 - **Additional information**
Endangered containers in the surrounding area should be cooled with a water-hose.
-

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
 - **6.2 Environmental precautions:**
Dilute with much water.
Do not allow to enter drainage system, surface or ground water.
 - **6.3 Methods and material for containment and cleaning up:**
Dilute with much water.
Absorb with inert absorbent material (sand, diatomite, acid binders, universal binders). Do not use combustible/oxidizable substances.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Contaminated material has to be disposed as waste (see item 13).
 - **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.
-

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Open and handle container with care.
- **Information about protection against explosions and fires:**
Stoff ist nicht brennbar, kann jedoch bei Hitzeeinwirkung und Durchfeuchtung auf brennbare Substanzen entzündend wirken durch Freisetzung von Sauerstoff. Ätzende Zersetzungsgase.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.05.2017

Version number 101

Revision: 02.05.2017

Trade name **EWE fitting disinfectant**

(Contd. of page 2)

Keep ignition sources away - Do not smoke.

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage** Store in cool, dry conditions in well sealed containers.
- **Requirements to be met by storerooms and containers:**
Store in original containers or in PE-containers.
Use only containers specifically permitted for this substance/product.
- **Information about storage in one common storage facility:** Store away from flammable substances.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- DNELs

7722-84-1 hydrogen peroxide solution

Inhalative	DNEL (population)	1.93 mg/m ³ (Acute - local effects)
		0.21 mg/m ³ (Long-term - local effects)
	DNEL (worker)	3 mg/m ³ (Acute - local effects)
		1.4 mg/m ³ (Long-term - systemic effects)

- PNECs

7722-84-1 hydrogen peroxide solution

PNEC STP	4.66 mg/l (380)
PNEC aqua	0.0126 mg/l (fresh water)
	0.0126 mg/l (marine water)
	0.0138 mg/l (intermittent releases)
PNEC sediment	0.47 mg/kg dw (fresh water)
	0.47 mg/kg dw (marine water)
PNEC soil	0.0023 mg/kg dw (soil)

- **Additional information:** The lists that were valid during the compilation were used as basis.

- 8.2 Exposure controls

- Personal protective equipment

- General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

Gases, fumes and aerosols should not be inhaled.

- **Breathing equipment:** In case of dizzying-dust breathing protection is required

- **Recommended filter device for short term use:** Special gas filter NO-P3

- Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.05.2017

Version number 101

Revision: 02.05.2017

Trade name EWE fitting disinfectant

(Contd. of page 3)

substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- For the permanent contact gloves made of the following materials are suitable:

Natural rubber, NR

Chloroprene rubber, CR

PVC gloves

Attention! Due to conditions (stressing, temperature) the practical usage of chemical protective gloves may be much shorter than the permeation time according to EN 374.

- Eye protection: Safety glasses recommended during refilling.

- Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Appearance:

Form: Fluid

Colour: Colourless

- Smell: Characteristic

- Odour threshold: Not determined.

- pH-value: Not determined.

- Change in condition

Melting point/freezing point: Not determined

Initial boiling point and boiling range: ca. 100 °C
Zersetzung

- Flash point: Product is non-flammable nor potentially explosive

- Inflammability (solid, gaseous) Not applicable.

- Ignition temperature:

Decomposition temperature: Not determined.

- Self-inflammability: Product is not selfigniting.

- Explosive properties: Product is not potentially explosive

- Density Not determined

- Solubility in / Miscibility with

Water: Fully miscible

- Partition coefficient: n-octanol/water: Not determined.

- 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.

(Contd. on page 5)

—GB—

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.05.2017

Version number 101

Revision: 02.05.2017

Trade name **EWE fitting disinfectant**

(Contd. of page 4)

- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
Protect from heat and direct sunlight.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**
Impurities: metal ions, metal salts, metals, alkalis, hydrochloric acid, reducing agent, combustible materials, solvent.
- **10.6 Hazardous decomposition products:** Oxygen (may cause fire).

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

7722-84-1 hydrogen peroxide solution

Oral	LD50	1190-1270 mg/kg (rat) 1232 mg/kg (rat) (H ₂ O ₂ 35%)
Dermal	LD50	> 2000 mg/kg (rab) (H ₂ O ₂ 70%)
Inhalative	LC 50 / 4 h	> 0.17 mg/l (rat) (Vapour (generated from 50% hydrogen peroxide))

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell 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.
- **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.

SECTION 12: Ecological information

- **12.1 Toxicity**- **Aquatic toxicity:**

7722-84-1 hydrogen peroxide solution

EC 10 / 16 h	11 mg/l (<i>Pseudomonas putida</i>)
EC 50 / 24 h	7.7 mg/l (<i>Daphnia magna</i>)
EC 50 / 48 h	2.4 mg/l (<i>Daphnia pulex</i>)
IC 50 / 72 h	2.5 mg/l (<i>Chlorella vulgaris</i>)
LC 50 / 24 h	31 mg/l (<i>Oncorhynchus mykiss</i>)
LC 50 / 96 h	16.4 mg/l (<i>Pimephales promelas</i>)
NOEC	0.63 mg/l (<i>Daphnia magna</i>) (21 d)
NOEC / 72 h	0.1 mg/l (<i>Chlorella vulgaris</i>) 0.63 mg/l (<i>Skeletonema costatum</i>)

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.05.2017

Version number 101

Revision: 02.05.2017

Trade name **EWE fitting disinfectant**

(Contd. of page 5)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
Generally not hazardous for water.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
A used product should be recycled or used in other contexts, otherwise be handed over to an appropriate disposal site.
- **Waste disposal key number:**
Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.
- **Uncleaned packagings:** Disposal must be made according to official regulations.
- **Recommendation:**
After complete emptying and cleaning, send to be reconditioned or recycled.
Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning.
Care should be taken that no other materials get into the packaging.
Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.
- **Recommended cleaning agent:**
Water, if necessary with cleaning agent.
Wasser.

SECTION 14: Transport information

- 14.1 UN-Number - ADR, IMDG, IATA	Void
- 14.2 UN proper shipping name - ADR, IMDG, IATA	Void
- 14.3 Transport hazard class(es) - ADR, IMDG, IATA - Class	Void
- 14.4 Packing group - ADR, IMDG, IATA	Void
- 14.5 Environmental hazards: - Marine pollutant:	Not applicable. No

(Contd. on page 7)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.05.2017

Version number 101

Revision: 02.05.2017

Trade name **EWE fitting disinfectant**

(Contd. of page 6)

- 14.6 Special precautions for user	Not applicable.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
- Transport/Additional information:	Not dangerous according to the above specifications.
- UN "Model Regulation":	Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
- **VOC:** 0 volatile organic compounds (Council Directive 2010/75/EC).
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing data specification sheet:** see item 1: Informing department
- **Abbreviations and acronyms:**
 - RPE: Respiratory Protective Equipment
 - RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - IATA: International Air Transport Association
 - GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 - CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - DNEL: Derived No-Effect Level (REACH)
 - PNEC: Predicted No-Effect Concentration (REACH)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - vPvB: very Persistent and very Bioaccumulative
- *** Data compared to the previous version altered.**

GB

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 02.05.2017

Version number 101

Revision: 02.05.2017

Trade name **EWE fitting disinfectant**

(Contd. of page 7)

Annex: Exposure scenario

- Description of the activities / processes covered in the Exposure Scenario

See section 1 of the annex to the Safety Data Sheet.

- Conditions of use

- Duration and frequency 5 workdays/week.

- Physical parameters

- Physical state Fluid

- Concentration of the substance in the mixture The substance is main component.

- Other operational conditions

- Other operational conditions affecting environmental exposure No special measures required.

- Other operational conditions affecting consumer exposure Not required.

- Other operational conditions affecting consumer exposure during the use of the product
Not applicable.

- Risk management measures

- Worker protection

- Organisational protective measures No special measures required.

- Technical protective measures No special measures required.

- Personal protective measures No special measures required.

- Measures for consumer protection No special measures required.

- Environmental protection measures

- Air No special measures required.

- Water No special measures required.

- Disposal measures Ensure that waste is collected and contained.

- Disposal procedures Dispose of product residues with household waste.

- Waste type Partially emptied and uncleaned packaging

- Exposure estimation

- Consumer Not relevant for this Exposure Scenario.

- Guidance for downstream users No further relevant information available.