



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

Printing date 17.04.2019

Version number 103

Revision: 17.04.2019

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

**- 1.1 Product identifier**

- Trade name **Sanosil S010**

**- 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:**

Sanosil Service GmbH

Marktoberdorfer Straße 44 b

86956 Schongau

Tel: 08861 – 910 98 00

Fax: 08861 – 910 98 09

info@sanosil-service.de

Internet <http://www.sanosil-service.de>

- **Informing department:** Product safety department

**- 1.4 Emergency telephone number:**

National Poisons Information Service (NPIS) - Emergency call (healthcare professionals): (+44) 844 892 0111 - 0344 892 0111

**SECTION 2: Hazards identification**

**- 2.1 Classification of the substance or mixture**

- **Classification according to Regulation (EC) No 1272/2008**

Eye Irrit. 2 H319 Causes serious eye irritation.

**- 2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard statements**

H319 Causes serious eye irritation.

- **Precautionary statements**

P264 Wash hands thoroughly after handling.

P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.



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**SECTION 3: Composition/information on ingredients**

**- 3.2 Mixtures**

- **Description:** Mixture of the substances listed below with harmless additions (aqueous solution).

- **Dangerous components:**

CAS: 7722-84-1	hydrogen peroxide solution	≥5-<8%
EINECS: 231-765-0	Ox. Liq. 1, H271; Skin Corr. 1A, H314; Acute Tox. 4, H302; Acute Tox. 4, H332; STOT SE 3, H335; Aquatic Chronic 3, H412	
Reg.nr.: 01-2119485845-22		

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

- **Composition/Ingredients**

Biocidal active substances: 7.84 g hydrogen peroxide per 100 g product.

Silver (CAS 7440-22-4) < 0,1%

**SECTION 4: First aid measures**

**- 4.1 Description of first aid measures**

- **General advice:**

Instantly remove any clothing soiled by the product.

Personal protection for the First Aider.

Keep warm, position comfortably and cover well.

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**

Instantly wash with water and soap and rinse thoroughly. If skin irritation persists, seek medical advice.

Wash contaminated clothing with water.

- **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.

Do not induce vomiting. Drink plenty of water. Call for medical help.

- **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.

**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 full protective suit with self-contained breathing apparatus.

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**- 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**

*Wear protective equipment and keep unprotected persons away.*

**- 6.2 Environmental precautions:**

*Do not allow to enter drainage system, surface or ground water.*

*Dilute with much water.*

*If large amounts are released, the authorities must be informed.*

**- 6.3 Methods and material for containment and cleaning up:**

*Ensure adequate ventilation.*

*Dilute with much water.*

*Absorb with inert absorbent material (sand, diatomite, acid binders, universal binders). Do not use combustible/oxidizable substances.*

**- 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**

*Keep containers tightly sealed.*

*Avoid contact with eyes and skin.*

*Do not replace residual quantities in storage containers.*

**- 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.*

**- 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:**

*Observe official regulations on storage and handling of water hazardous substances*

*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:**

*Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.*

*Store away from flammable substances.*

**- Further information about storage conditions:**

*Keep container tightly sealed.*

*Protect from heat and direct sunlight.*

**- 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.*

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**- 8.1 Control parameters**

**- Components with critical values that require monitoring at the workplace:**

**7722-84-1 hydrogen peroxide solution**

WEL	Short-term value: 2.8 mg/m <sup>3</sup> , 2 ppm Long-term value: 1.4 mg/m <sup>3</sup> , 1 ppm
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**- DNELs**

**7722-84-1 hydrogen peroxide solution**

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

**- PNECs**

**7722-84-1 hydrogen peroxide solution**

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

**- 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**

Keep away from food, beverages and fodder.  
Instantly remove any soiled and impregnated garments.  
Avoid contact with the eyes and skin.  
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:** Protective gloves.

**- 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:** Tightly sealed safety glasses.

**- Body protection:**

Standard protective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear impenetrable protective clothing against this solvent.



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**SECTION 9: Physical and chemical properties**

**- 9.1 Information on basic physical and chemical properties**

**- General Information**

**- Appearance:**

**Form:** Fluid  
**Colour:** Colourless  
**- Smell:** Characteristic

**- pH-value:** Not determined.

**- Change in condition**

**Melting point/freezing point:** Not determined  
**Initial boiling point and boiling range:** >80 °C  
Zersetzung

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

**- Self-inflammability:** Product is not selfigniting.

**- Explosive properties:** Product is not potentially explosive

**- Density** Not determined

**- Solubility in / Miscibility with Water:**

Fully miscible

**- Viscosity:**

**dynamic:** Not determined.  
**kinematic:** Not determined.

**- 9.2 Other information** No further relevant information available.

**SECTION 10: Stability and reactivity**

**- 10.1 Reactivity** No further relevant information available.

**- 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 <sub>2</sub> O <sub>2</sub> 35%)
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Dermal	LD50	> 2000 mg/kg (rabbit) (H <sub>2</sub> O <sub>2</sub> 70%)
Inhalative	LC 50 / 4 h	> 0.17 mg/l (rat) (Vapour(generated from 50% H <sub>2</sub> O <sub>2</sub> ) kein Todesfall)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **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**

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

- **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.  
Water hazard class 1 (Self-assessment): slightly 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**

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

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- **Recommendation**  
*Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- **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:**  
*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:** *Wasser.*

**SECTION 14: Transport information**

- <b>14.1 UN-Number</b>	
- <b>ADR, IMDG, IATA</b>	Void
- <b>14.2 UN proper shipping name</b>	
- <b>ADR, IMDG, IATA</b>	Void
- <b>14.3 Transport hazard class(es)</b>	
- <b>ADR, IMDG, IATA</b>	
- <b>Class</b>	Void
- <b>14.4 Packing group</b>	
- <b>ADR, IMDG, IATA</b>	Void
- <b>14.6 Special precautions for user</b>	Not applicable.
- <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
- <b>UN "Model Regulation":</b>	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**  
*The product is classified and labelled according to the CLP regulation.*
- **Hazard pictograms**



GHS07

- **Signal word** *Warning*
- **Hazard statements**  
*H319 Causes serious eye irritation.*
- **Precautionary statements**  
*P264 Wash hands thoroughly after handling.*

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P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

**- Directive 2012/18/EU**

**- Named dangerous substances - ANNEX I** None of the ingredients is listed.

**- REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

**- National regulations**

**- Other regulations, limitations and prohibitive regulations**

Gemäß VO (EU) 98/2013 unterliegt vorliegendes Produkt als Ausgangsstoff für Explosivstoffe Beschränkungen bezüglich der Weitergabe an private Endverbraucher.

**- 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.

**- Relevant phrases**

Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

H271 May cause fire or explosion; strong oxidiser.

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.

**- 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

Ox. Liq. 1: Oxidizing liquids – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**- \* Data compared to the previous version altered.**