

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.09.2010

Revision: 28.09.2010

1 Identification of substance:

- Product details:
- Trade name: **Sanosil S010**
- Application of the substance / the preparation: Disinfectant
- Manufacturer/Supplier:
Sanosil Ltd
Eichtalstrasse 49
CH-8634 Hombrechtikon
Tel.: +41 55 254 00 54
Fax.: +41 55 254 00 59
E-Mail: info@sanosil.com
- Informing department: Product safety department. Phone no. toxicological centre: +41 44 251 51 51
- Emergency information: p.gomori@sanosil.com

2 Hazards identification

- Hazard designation:



Xi Irritant

- Information pertaining to particular dangers for man and environment
R 36 Irritating to eyes.
- GHS label elements



Warning

- H332 - Harmful if inhaled.
- Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
- Response:
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.

3 Composition/information on ingredients

- Chemical characterization:
- CAS No. Designation:
7732-18-5 water, distilled, conductivity or of similar purity
- Identification number(s):
- EINECS Number: 231-791-2
- Chemical characterization
- Description: Mixture of the substances listed below with harmless additions.
- Dangerous components:

CAS: 7722-84-1	hydrogen peroxide solution	2.5-10%
EINECS: 231-765-0	C, Xn, O; R 8-20/22-35	
	Danger: 2.13/1; 3.2/1A	
	Warning: 3.1.O/4, 3.1.I/4	
CAS : 7761-88-8	Silver nitrate	<0.2%
EWEC : 231-853-9		(Contd. on page 2)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.09.2010

Revision: 28.09.2010

Trade name: **Sanosil S010**

(Contd. of page 1)

4 First aid measures

- General information Instantly remove any clothing soiled by the product.
- After inhalation Supply fresh air; consult doctor in case of symptoms.
- After skin contact The product is generally no skin irritant.
- After eye contact Rinse opened eye for several minutes under running water.
- After swallowing Seek immediate medical advice.

5 Fire fighting measures

- Suitable extinguishing agents Use fire fighting measures that suit the environment.
- Protective equipment: No special measures required.

6 Accidental release measures

- Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
- Measures for environmental protection: Do not allow product to reach sewage system or water bodies.
- Measures for cleaning/collecting:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Additional information: No dangerous materials are released.

7 Handling and storage

- Handling
- Information for safe handling: No special measures required.
- Information about protection against explosions and fires: No special measures required.
- Storage
- Requirements to be met by storerooms and containers: No special requirements.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: None.

8 Exposure controls and personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Components with limit values that require monitoring at the workplace:
7722-84-1 hydrogen peroxide solution (2.5-10%)
WEL Short-term value: 2.8 mg/m³, 2 ppm
Long-term value: 1.4 mg/m³, 1 ppm
- Additional information: The lists that were valid during the compilation were used as basis.
- Personal protective equipment
- General protective and hygienic measures
The usual precautionary measures should be adhered to general rules for handling chemicals.
- Breathing equipment: Not required.
- 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 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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 3)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.09.2010

Revision: 28.09.2010

Trade name: **Sanosil S010**

(Contd. of page 2)

- Eye protection: Safety glasses recommended during refilling.

9 Physical and chemical properties:

· General Information

Form:	Fluid
Colour:	Colourless
Odour:	Odourless

· Change in condition

Melting point/Melting range:	0°C
Boiling point/Boiling range:	100°C

- Flash point: Not applicable
- Danger of explosion: Product is not explosive.
- Vapour pressure at 20°C: 23 hPa
- Density at 20°C: ca.1.0 g/cm³
- Solubility in / Miscibility with Water: Fully miscible
- pH-value at 20°C: ca.3
- Solvent content:

Organic solvents:	0.0 %
-------------------	-------
- VOC - EU: 0.00 %
- VOC - EU: g/l
- VOC - CH: 0.00 %

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
No decomposition if used and stored according to specifications.
- Dangerous products of decomposition: Possible in traces.

11 Toxicological information

- Acute toxicity:
- LD/LC50 values that are relevant for classification:

7722-84-1 hydrogen peroxide solution

Oral	LD50	415 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50 (4 h)	>0.17 mg/l (rat)

- Primary irritant effect:
 - on the skin: Caustic effect on skin and mucous membranes.
 - on the eye: Strong caustic effect.
- Sensitization: No sensitizing effect known.
- Additional toxicological information:
The material is not subject to classification according to EC lists in the last version.

12 Ecological information:

- Ecotoxicological effects:
- Aquatic toxicity:

7722-84-1 hydrogen peroxide solution

EC50 (48h)	2.4 mg/l (Daphnia pulex)
EC50(24h)	7.7 mg/l (Daphnia magna)
IC50(72h)	2.5 mg/l (Chlorella vulgaris)
IC94(48h)	1.7 mg/l (Cyanobacteria Blaualgen)
LC50 (96h)	16.4 mg/l (Pimephales promelas)

(Contd. on page 4)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.09.2010

Revision: 28.09.2010

Trade name: **Sanosil S010**

(Contd. of page 3)

- LC50(24h) 31.3 mg/l (Oncorhynchus mykiss)
- Additional ecological information:
- General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.

13 Disposal considerations

- Product:
- Recommendation Smaller quantities can be disposed with household garbage.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleaning agent: Water, if necessary with cleaning agent.

14 Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID-GGVS/E Class: -
- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -
- UN "Model Regulation": -

15 Regulatory information

- Designation according to EC guidelines:
Observe the normal safety regulations when handling chemicals
The material is not subject to classification according to EC lists and other sources of literature known to us.
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

- Code letter and hazard designation of product:



Xi Irritant

- Risk phrases:
36 Irritating to eyes.
- Safety phrases:
 - 9 Keep container in a well-ventilated place.
 - 17 Keep away from combustible material.
 - 20 When using do not eat or drink.
 - 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
 - 25 Avoid contact with eyes.
 - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - 27 Take off immediately all contaminated clothing.
 - 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- National regulations
- Water hazard class: Water hazard class 1 : slightly hazardous for water.

(Contd. on page 5)

GB

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.09.2010

Revision: 28.09.2010

Trade name: **Sanosil S010**

(Contd. of page 4)

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 R-phrases

20/22 Harmful by inhalation and if swallowed.

35 Causes severe burns.

8 Contact with combustible material may cause fire.

- Department issuing data specification sheet: Environment protection department.

- Contact: Abteilung Labor

- Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

- * Data compared to the previous version altered.