Sanosil SD7

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

* **1.1. Product identifier**

Trade name/designation:

Sanosil SD7

UFI:
SQP7-8Q5G-VN9D-SM7A

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

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Sanosil
Eichtalstrasse 49
8634 Hombrechtikon
Switzerland
Telephone: +41 55 254 00 54
Telefax: +41 55 254 00 59
E-mail: kundeninfo@sanosil.ch
Website: www.sanosil.ch

1.4. Emergency telephone number

United States of America: Poison control center - national hotline number 1-800-222-1222
Great Britain: National phone number 111
Belgium: Centre antipoisons +32 070 245 245 / Bulgaria: +359 2 9154 233 / Croatia: +3851 2348 342 / Cyprus: +357 1401 / Czech Republic: +420 224 919 293, +420 224 915 402 / Denmark: +45 82 12 12 12 / Estonia: +372 16662, +372 7943 794 / Finland: +358 09 471 77 / France: numéro ORFILA (INRS) : +33 (0)1 45 42 59 59 / Greece: +30 21077 93777 / Hungary: +36 80 201 199 (24 hours) / Ireland: +353 (1) 809 2166 / Italy: +39 06 4997800 / Lithuania: +370 (85) 2362052 / Luxembourg: +352 8002 5500 / The Nederlands: +31 (0) 30 274 8888 / Norway: +47 22 59 13 00 / Portugal: +351 800 250 250 / Romania: +402 213 183 606 / Slovakia: +421 2 5477 4166 / Spain: National Emergency Telephone Number: +34 91 562 04 20 / Sweden: +46 112 (emergency 24 hours), +46 08-331231 (mon-fri 9.00-17.00).
European Union: Call 112 if no specific phone number available.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	Calculation method.

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:

GHS07
Exclamation mark

Signal word: Warning

Hazard statements for health hazards	
H319	Causes serious eye irritation.

Supplemental hazard information: none

Precautionary statements Prevention	
P280	Wear eye/face protection.

Precautionary statements Response	
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

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 7722-84-1 EC No.: 231-765-0 Index No.: 008-003-00-9 REACH No.: 01-2119485845-22-XXXX	**hydrogen peroxide** Acute Tox. 4 (H332, H302), Ox. Liq. 1 (H271), Skin Corr. 1A (H314) Danger **Specific concentration limit (SCL)** Ox. Liq. 1, Skin Corr. 1A; H271-H314: C ≥ 70% Ox. Liq. 2, Skin Corr. 1B; H272-H314: 50% ≤ C < 70% Skin Irrit. 2; H315: 35% ≤ C < 50% Eye Dam. 1; H318: C ≥ 8% Eye Irrit. 2; H319: 5% ≤ C < 8% STOT SE 3; H335: C ≥ 35%	5 – < 8 weight-%
CAS No.: 122-99-6 EC No.: 204-589-7 REACH No.: 01-2119488943-21-XXXX	**2-phenoxyethanol** Acute Tox. 4 (H302), Eye Irrit. 2 (H319) Warning	< 1 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

In case of respiratory tract irritation, consult a physician. Provide fresh air.

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In case of skin contact:
If skin irritation or rash occurs: Get medical advice/attention. Do not use solvents. After contact with skin, wash immediately with plenty of water and soap.

After eye contact:
Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

Following ingestion:
Rinse mouth. Never give anything by mouth to an unconscious person or a person with cramps. Let 1 glass of water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:
Use personal protection equipment.

4.2. Most important symptoms and effects, both acute and delayed
Serious eye damage/eye irritation

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

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
Water, Dry extinguishing powder, Carbon dioxide (CO2), alcohol resistant foam. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media:
Full water jet

5.2. Special hazards arising from the substance or mixture
The product itself does not burn.

Hazardous combustion products:
Carbon monoxide, Carbon dioxide (CO2), Gases/vapours, toxic

5.3. Advice for firefighters
Special protective equipment for firefighters:
Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Keep closed containers cool by spraying water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Personal precautions:
Avoid contact with skin, eyes and clothes.
Provide adequate ventilation.
Remove persons to safety.
Use personal protection equipment.

Protective equipment:
Wear protective gloves/protective clothing/eye protection/face protection. See section 8.

6.1.2. For emergency responders
Personal protection equipment:
See section 8. Personal protection equipment: see section 8

6.2. Environmental precautions
Do not allow to enter into surface water or drains.
Prevent spread over a wide area (e.g. by containment or oil barriers).

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6.3. Methods and material for containment and cleaning up

For containment:
Provide for retaining containers, e.g. floor pan without outflow. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Dispose of the residus of the product as hazardous waste (see section 13).

For cleaning up:
Water (with cleaning agent)

6.4. Reference to other sections

Safe handling: see section 7. Personal protection equipment: see section 8. Disposal: see section 13

6.5. Additional information

Losses during use of the product must be collected and disposed of in special containers as special waste. Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:
The simultaneous handling of incompatible substances and mixtures must be prevented. Wear personal protection equipment (refer to section 8).

Fire prevent measures:
No special measures are necessary.

Advices on general occupational hygiene

Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:
Keep container tightly closed in a cool, well-ventilated place. Keep/Store only in original container.

Requirements for storage rooms and vessels:
Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

Hints on storage assembly:
Keep away from oxidising agents.
Do not store together with strong acids.

Storage class (TRGS 510, Germany): 12 – non-combustible liquids that cannot be assigned to any of the above storage classes

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
Alberta (CA)	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm (1.4 mg/m³) ⑤ 3
ES	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm (1.4 mg/m³)

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Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
BC (CA)	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm
VLA (FR)	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm (1.5 mg/m³)
WEL (GB)	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm (1.4 mg/m³) ② 2 ppm (2.8 mg/m³)
IDLH (US) from 1 Jan 1994	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 75 ppm
OSHA (US)	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm (1.4 mg/m³)
NIOSH (US)	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm (1.4 mg/m³)
ACGIH (US)	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm (1.4 mg/m³)
Québec (CA) from 1 Apr 2022	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm
Ontario (CA)	**2-phenoxyethanol** CAS No.: 122-99-6 EC No.: 204-589-7	① 25 ppm (141 mg/m³) ⑤ (may be absorbed through the skin) Skin

8.1.2. Biological limit values
No data available

8.1.3. DNEL-/PNEC-values
No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls
Provide adequate ventilation as well as local exhaustion at critical locations.

8.2.2. Personal protection equipment


Eye/face protection:
Eye glasses with side protection EN 166

Skin protection:
Use protective gloves in accordance to EN 374. The following material is suitable: NBR. Minimal thickness 0.4 mm. Breakthrough time: min. 6 hours

Respiratory protection:
In case of inadequate ventilation wear respiratory protection. Full-/half-/quarter-face masks (EN 136/140): Filter type: NO, B or ABEK-P3

8.2.3. Environmental exposure controls
No data available

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid
Colour: not determined
Odour: not determined

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	2.8	20 °C	
Melting point	*No data available*		
Freezing point	*No data available*		
Initial boiling point and boiling range	*No data available*		
Flash point	*not applicable*		
Evaporation rate	*No data available*		
Auto-ignition temperature	*not applicable*		
Upper/lower flammability or explosive limits	*not applicable*		
Vapour pressure	*No data available*		
Vapour density	*No data available*		
Density	1 g/cm³	20 °C	
Bulk density	*not applicable*		
Water solubility	completely miscible	20 °C	
Dynamic viscosity	*No data available*		
Kinematic viscosity	*No data available*		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

strong acids and alkalis
Oxidising agent, strong

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

hydrogen peroxide CAS No.: 7722-84-1 EC No.: 231-765-0
LD_{50} oral: 1,026 mg/kg (Rat)
LD_{50} dermal: 2,000 mg/kg (Rat)

2-phenoxyethanol CAS No.: 122-99-6 EC No.: 204-589-7
LD_{50} oral: 1,394 mg/kg (Rat) OECD 401
LD_{50} dermal: 2,214 mg/kg (Rabbit)
LC_{50} Acute inhalation toxicity (dust/mist): 1,000 mg/L 4 h (Rat)

Acute oral toxicity:
Based on available data, the classification criteria are not met.

Acute dermal toxicity:
Based on available data, the classification criteria are not met.

Acute inhalation toxicity:
Based on available data, the classification criteria are not met.

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.

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.

Additional information:
No data available

11.2. Information on other hazards

Endocrine disrupting properties:
This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 12: Ecological information

*

12.1. Toxicity

hydrogen peroxide CAS No.: 7722-84-1 EC No.: 231-765-0
LC_{50}: 16.4 mg/L (Fish)
LC_{50}: 2.4 mg/L (Daphnia pulex (water flea))
EC_{50}: 1.38 mg/L (Alga)
2-phenoxyethanol CAS No.: 122-99-6 EC No.: 204-589-7
LC_{50}: 344 mg/L 4 d (Fish)
EC_{50}: 488 mg/L 2 d (Daphnia magna (Big water flea))
EC_{50}: 100 mg/L 3 d (Alga)

12.2. Persistence and degradability

hydrogen peroxide CAS No.: 7722-84-1 EC No.: 231-765-0
Biodegradation: Yes, rapidly
2-phenoxyethanol CAS No.: 122-99-6 EC No.: 204-589-7
Biodegradation: Yes, rapidly

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12.3. Bioaccumulative potential

hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0
Log K_{OW}: -1.5	
2-phenoxyethanol	CAS No.: 122-99-6 EC No.: 204-589-7
Log K_{OW}: 1.61	
Bioconcentration factor (BCF): 0.35	

Accumulation / Evaluation:
No indication of bioaccumulation potential.

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment

hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.	
2-phenoxyethanol	CAS No.: 122-99-6 EC No.: 204-589-7
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.	

12.6. Endocrine disrupting properties
This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
The product may not be eliminated as municipal solid waste nor allowed to end up in the drainage system. These packs can be delivered packaging-specific to the existing collection points for hazardous waste.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

16 03 03 *	inorganic wastes containing hazardous substances

**: Evidence for disposal must be provided.*

Remark:
Wastecode according to regulation EU 2014/955:

Waste code packaging

15 01 02	Plastic packaging

Waste treatment options

Appropriate disposal / Product:
Dispose of used product in its original packaging as special waste. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:
Empty packaging can be recycled or eliminated as municipal solid waste.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments
No data available

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU legislation

Authorisations:
Regulation (EU) No. 528/2012 on biocides

15.1.2. National regulations
No data available

15.2. Chemical Safety Assessment
For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

* 16.1. Indication of changes

1.1.	Product identifier
12.1.	Toxicity
16.1.	Indication of changes
16.2.	Abbreviations and acronyms

* 16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
ECHA	European Chemicals Agency
EN	European Standard
ES	Exposure scenario
EWC	European Waste Catalogue
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization

LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
OECD	Organisation for Economic Cooperation and Development
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SCL	Specific concentration limit
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR European agreement concerning the international carriage of dangerous goods by road
CAS Chemical Abstract Service
CLP Classification, labelling and Packaging
EC_{50} Effective Concentration 50%
EN European norm
IATA International Air Transport Association
IMDG-Code International Maritime Dangerous Goods Code
LC_{50} Lethal Concentration 50%
LD_{50} Lethal Dose 50%
OECD Organization for Economic Cooperation and Development
PBT persistent, bioaccumulative, toxic
PNEC Predicted No Effect Concentration
REACH Registration, Evaluation and Authorization of Chemicals
RID Regulations concerning the international carriage of dangerous goods by rail
SVHC Substance of Very High Concern
UN United Nations
VOC Volatile organic compounds
vPvB very persistent, very bioaccumulative

16.3. Key literature references and sources for data

Security safety data sheet of the ingredients. Inventory of substances of the European Chemical Agency (ECHA). GESTIS database

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	Calculation method.

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

16.6. Training advice

Persons charged with the handling and cleaning of the product must be trained prior to start their work and in regular intervals. They must be informed about the risks using the product and the mesures to take for efficient prevention. This concerns particularly working security, first aid, health and environment protection.

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new madeup material.

* Data changed compared with the previous version.