

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

### 1.1. Product identifier

Name of product Sanosil S003

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

#### Identified uses

#### Sector of uses [SU]

SU20 - Health services

SU21 - Consumer uses: Private households (= general public = consumers)

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

#### Product categories [PC]

disinfectants

#### Recommended intended purpose(s)

Disinfectant

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer/distributor

Sanosil MENA LLC.  
Dubai Investment Park 2, Dubai, UAE  
Phone +971 4 887 8758, E-mail info@sanosil-mena.com

#### Advice

Department of product safety  
Phone +41 55 254 00 54 (available at office times)  
E-mail (competent person):  
info@sanosil.com

### 1.4. Emergency telephone number

#### Emergency advice

Swiss toxicological Information Center  
Phone 145 / +41 44 251 51 51

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to 67/548/EEC or 1999/45/EC

#### Additional hints

The preparation is not classified as hazardous according to Directive 1999/45/EC.

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

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

#### Additional hints

The preparation is not classified as hazardous according to Directive 1999/45/EC.

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

### 2.2. Label elements

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

No information available.

2.3. Other hazards

No information available.

## SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous ingredients & water

CAS No	EC No	Name	[%]	Classification according to 67/548/EEC
7722-84-1	231-765-0	hydrogen peroxide solution ...%	1.5	R5; O R8; C R35; Xn R20/22
7732-18-5	231-791-2	water	98.4	
7440-22-4	231-131-3	silver	0.1	--

CAS No	EC No	Name	[%]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
7722-84-1	231-765-0	hydrogen peroxide solution ...%	1.5	Ox. Liq. 1, H271 / Acute Tox. 4, H332 / Acute Tox. 4, H302 / Skin Corr. 1A, H314
7732-18-5	231-791-2	water	98.4	
7440-22-4	231-131-3	silver	0.1	---

## SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately.

In the event of persistent symptoms receive medical treatment.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

If intensive inhalation of fumes seek medical treatment immediately.

In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off immediately with plenty of water.

Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

If swallowed seek medical advice immediately and show the doctor packing or label.

Rinse out mouth thoroughly with water.

Give plenty of water to drink in small sips.

4.2. Most important symptoms and effects, both acute and delayed  
No information available.

4.3. Indication of any immediate medical attention and special treatment needed  
No information available.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media

Product does not burn, fire-extinguishing activities according to surrounding.

Alcohol-resistant foam

Dry powder

Carbon dioxide

Water spray jet

Unsuitable extinguishing media

Full water jet

### 5.2. Special hazards arising from the substance or mixture

Fire gas of organic material has to be classed invariably as respiratory poison.

In case of fire formation of dangerous gases possible.

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

### 5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Additional information

Cool endangered containers with water spray jet.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid contact with skin and eyes.

Ensure adequate ventilation.

Remove persons to safety.

Use personal protective clothing.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Prevent spread over a wide area (e.g. by containment or oil barriers).

### 6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation.

Send in suitable containers for recovery or disposal.

Take up with absorbent material (e.g. general-purpose binder).

Do not take up with sawdust or other combustible materials.

Additional Information

Informations for safe handling see chapter 7.

Informations for personal protective equipment see chapter 8.

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Informations for disposal see chapter 13.

6.4. Reference to other sections  
No information available.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed.

Open and handle container with care!

Use only in well-ventilated areas.

Do not use without breathing apparatus longer than 30 minutes per day. If you use longer, use breathing apparatus (Kap. 8.2)

General protective measures

Take the usual precautions when handling chemicals.

Avoid contact with the eyes.

Hygiene measures

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Keep away from food and drink.

Wash hands before breaks and after work.

Advice on protection against fire and explosion

The product is not combustible.

### 7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep out of reach of children.

Ventilate store-rooms thoroughly.

Keep only in original container.

Advice on storage compatibility Do

not store with oxidizing agents. Store

and transport separate of food.

Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

Protect from heat and direct solar radiation.

### 7.3. Specific end use(s)

No information available.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m <sup>3</sup> ]	[ppm]	Remark
7722-84-1	hydrogen-peroxide	MAK, 8 hours	0.71	0.5	DFG, OSHA
		Short-term	0.71	0.5	

## 8.2. Exposure controls

### Respiratory protection

No special measures necessary if used correctly.  
Breathing apparatus in the event of high concentrations.  
Short term: filter apparatus, special gas filter, NO-P3

### Hand protection

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: nitrile rubber or butyle rubber; 0,5 mm; ca 480 Min.

Please observe the glove manufacturer's instructions on permeability and rupture times as well as the specific workplace conditions.

### Eye protection

safety goggles with side protection

### Other protection measures

Light protective clothing.

### Appropriate engineering controls

Avoid contact with skin and eyes.

Care for thorough room ventilation, if necessary provide local air ventilation.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Colour	Odour
liquid	colourless	odourless

### Odour threshold

No information available.

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	2 - 2,5	20 °C			
boiling point	> 100 °C				
melting point	ca. 0 °C				
Flash point	not applicable				
Vapourisation rate	No information available.				
Flammable (solid)	No information available.				
Flammability (gas)	No information available.				
Ignition temperature	No information available.				

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	Value	Temperature	at	Method	Remark
Self ignition temperature					The product is not self-igniting.
Lower explosion limit	No information available.				
Upper explosion limit	No information available.				
Vapour pressure	23 hPa	20 °C			
Relative density	1 g/cm <sup>3</sup>	20 °C			
Vapour density	No information available.				
Solubility in water					Completely miscible
Solubility/other	No information available.				
Partition coefficient n-octanol/water (log P O/W)	No information available.				
Decomposition temperature	No information available.				
Viscosity	No information available.				
Oxidising properties	not applicable				
Explosive properties	The product is not explosiv.				
9.2. Other information	No information available.				

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

No decomposition if stored and handled according to specifications.

### 10.5. Incompatible materials

Materials to avoid

Reactions with strong oxidising agents

10.6. Hazardous decomposition products  
No hazardous decomposition products known.  
No decomposition if used as directed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	No data available.			
LD50 acute dermal	No data available.			
LC50 acute inhalation	No data available.			
Irritability skin	Due to the product composition slight irritations of the skin cannot be excluded.			
Irritability eye	irritant - risk of strong eye injuries			
Skin sensitization	non-sensitizing			

#### Experiences made from practice

Experiences at humans: may cause hypersensitivity reactions on skin in case of persons suffering from hypersensitivity.

Frequent persistent contact with the skin may cause skin irritation.

Frequent contact specially if dried out may cause skin and eye irritations.

Precautionary classification 'irritating' because of pH-value.

#### Additional information

The product was classified on the basis of the calculation procedure of the Regulation (EU) Nr. 1272/2008 (CLP).

The product has not been tested. The information is derived from the properties of the individual components.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 16,4 mg/l (96 h)	Pimephales promelas		
Daphnia	EC50 7,7 mg/l (24 h)	Daphnia magna		
Algae	IC50 2,5 mg/l (72 h)	Chlorella vulgaris		

### 12.2. Persistence and degradability

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No information available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

Behaviour in sewage plant

When low concentrations are discharged correctly into adapted biological sewage treatment plants, interference with the degradation activity of activated sludge is not likely.

General regulation

Do not discharge into the drains/surface waters/groundwater.

Ecological dates are not available.

Do not allow uncontrolled leakage of product into the environment.

The information to ecology refers to main component.

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## SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

16 05 07\*

Name of waste

discarded inorganic chemicals consisting of or containing dangerous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product

In accordance with regulations for special waste, must be taken to a special waste disposal.

Collect waste separated in suitable, labeled and lockable containers.

The waste disposal has to be proved.

Dispose of as hazardous waste.

Recommendations for packaging

Uncontaminated packaging may be taken for recycling.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

General information

Teilentleerte Verpackung der Verkaufsstelle zurückgeben oder einer Sammelstelle für Sonderabfälle übergeben. Entleerte Verpackung mit dem Siedlungsabfall entsorgen.

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## SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-



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	ADR/RID	IMDG	IATA-DGR
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

14.6. Special precautions for user  
No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
No information available.

Land and inland navigation transport ADR/RID  
No dangerous goods as defined by these transport regulations.

Marine transport IMDG  
No hazardous material as defined by the prescriptions.

Air transport ICAO/IATA-DGR  
No hazardous material as defined by the prescriptions.

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## SECTION 15: Regulatory information

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

National regulations

Water hazard class 1 slightly hazardous to waters, self-classification

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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## SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 20/22 Harmful by inhalation and if swallowed.

R 34 Causes burns.

R 35 Causes severe burns.

R 5 Heating may cause an explosion.

R 8 Contact with combustible material may cause fire.

H271 May cause fire or explosion; strong oxidiser.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H332 Harmful if inhaled.

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