

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

1.1. Product identifier

Name of product Sanosil Perox H

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.
UAE/Dubai, Dubai Investment Park 2.
Phone +971 4 8878758, Email 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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Xn; R20/22

C; R34

O; R8

R-phrases

20/22 Harmful by inhalation and if swallowed.

34 Causes burns.

8 Contact with combustible material may cause fire.

Additional hints

The preparation is classified as hazardous according 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 classified as hazardous according to Regulation (EC) No 1272/2008 [GHS].

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

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Ox. Liq. 2	H272	
Acute Tox. 4	H302	
Acute Tox. 4	H332	
Skin Corr. 1B	H314	
STOT SE 3	H335	
Aquatic Chronic 3	H412	

Additional hints

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2.2. Label elements

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



GHS03



GHS05



GHS07

Signal word

Danger

Hazard statements for physical hazards

H272 May intensify fire; oxidiser.

Hazard statements for health hazards

H302 + H332 Harmful if swallowed or if inhaled.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

General

P102 Keep out of reach of children.

Prevention

P220 Keep/Store away from combustible materials.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

Disposal

P501 Contents / container hand over to an approved waste disposal facility.

Hazardous ingredients for labeling
hydrogen peroxide solution

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Additional information

Special rules for labelling of plant protection products

To avoid risks to human health and the environment, comply with the instructions for use.

2.3. Other hazards

No information available.

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous ingredients and water

CAS No	EC No	Name	[%]	Classification according to 67/548/EEC
7722-84-1	231-765-0	hydrogen peroxide solution ...%	35	R5; O R8; C R35; Xn R20/22
7732-18-5	231-791-2	water	65	

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

If threatening unconsciousness, position and transport in recovery position

Remove contaminated soaked clothing immediately and dispose it safely.

In the event of persistent symptoms receive medical treatment.

Adhere to personal protective measures when giving first aid.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

In the event of symptoms refer for medical treatment.

In case of skin contact

Rinse with plenty of water.

In case of contact with skin wash off immediately with soap and water.

Remove contaminated clothing immediately, even underwear and shoes.

Consult a doctor if skin irritation persists.

In case of eye contact
In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion
Do not induce vomiting.
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.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
Fire-extinguishing activities according to surrounding.
Alcohol-resistant foam
Dry fire-extinguishing substance
Dry powder
water mist

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 fires, hazardous combustion gases are formed:
Carbon monoxide (CO)
Carbon dioxide (CO₂)

5.3. Advice for firefighters
Special protective equipment for fire-fighters
Use breathing apparatus with independent air supply.
Wear full protective clothing.

Additional information
Cool endangered containers with water spray jet.

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.
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.

Take up with absorbent material (e.g. sand).

Flush away residues with water.

Do not take up with sawdust or other combustible materials.

After taking up the material dispose according to regulation.

Additional Information

Informations for safe handling see chapter 7.

Informations for personal protective equipment see chapter 8.

Informations for disposal see chapter 13.

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin and eyes.

Keep container tightly closed.

Use personal protective clothing.

At work do not eat, drink and smoke.

Remove contaminated soaked clothing immediately.

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

Take the usual precautions when handling with chemicals.

General protective measures

Avoid contact with eyes and skin

Take the usual precautions when handling chemicals.

Do not inhale gases/vapours/aerosols.

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, but supports burning.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep out of the reach of children.

Keep in closed original container.

Ventilate store-rooms thoroughly.

Advice on storage compatibility

Do not store with acids, alkalies or combustible materials.

Do not store with oxidizing agents.

Do not store together with food.

Further information on storage conditions

Keep container tightly closed, store at cool and aired place, open and handle carefully.

Protect from direct solar radiation.

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Storage group 5.1A

7.3. Specific end use(s)
No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
7722-84-1	hydrogen-peroxide	MAK, 8 hours Short-term	0.71 0.71	0.5 0.5	DFG, OSHA

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
No information available					

8.2. Exposure controls

Respiratory protection

If ventilation insufficient, wear respiratory protection.
Short term: filter apparatus, special gas filter, NO-P3

Hand protection

Permeationslevel 6

Penetrationslevel acc. to EN374:3

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 ruptur times as well as the specific workplace conditions.

Eye protection

safety goggles with side protection

Other protection measures light

protective clothing, rubber light

protective clothing, antistatic

Appropriate engineering controls

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

Keep away from sources of ignition - No smoking

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

liquid

Colour

colourless

Odour

pungent

Odour threshold

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No information available.

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not determined				
boiling point	ca. 100 °C				
melting point	< 0 °C				
Flash point	not applicable				
Vapourisation rate	No information available.				
Flammable (solid)	No information available.				
Flammability (gas)	No information available.				
Ignition temperature	not applicable				
Self ignition temperature	not applicable				
Lower explosion limit	no				
Upper explosion limit	no				
Vapour pressure	ca. 20 hPa	20 °C			
Relative density	1,23 g/cm ³	20 °C			
Vapour density	No information available.				
Solubility in water					easy soluble
Solubility/other	No information available.				
Partition coefficient n-octanol/water (log P O/W)	No information available.				
Decomposition temperature	No information available.				
Viscosity kinematic	1 mPa*s	20 °C			
Oxidising properties	No information available.				
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

Avoid heat.

No decomposition if used as directed.

10.5. Incompatible materials

Materials to avoid

Reactions with combustible substances.

Reactions with strong acids and alkalis.

Reactions with strong oxidising agents.

10.6. Hazardous decomposition products

Nitrous gases

Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	1193 - 1270 mg/kg			
LD50 acute dermal	> 5000 mg/kg	rabbit		
LC50 acute inhalation	> 0,17 mg/l (4 h)	rat		
Irritability skin	strong corrosive			
Irritability eye	strong corrosive			
Skin sensitization	non-sensitizing			

Experiences made from practice

Corrosive effect on skin and mucous membrane.

Skin: causes strong corrosions.

Risk of strong eye injuries.

Product may cause irreversible eye injuries.

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

No information available.

12.3. Bioaccumulative potential

No information 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

General regulation

Do not allow uncontrolled leakage of product into the environment.

Product is not allowed to be discharged into aquatic environment.

The information to ecology refers to main component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.	Name of waste
16 09 03*	peroxides, e.g. hydrogen peroxide

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.

Material recycling possible.

Dispose of as hazardous waste.

Recommendations for packaging

Untampered 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.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	2014	2014	2014
14.2. UN proper shipping name	HYDROGEN PEROXIDE, AQUEOUS SOLUTION	HYDROGEN PEROXIDE, AQUEOUS SOLUTION	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
14.3. Transport hazard class(es)	5.1 (8)	5.1 (8)	5.1 (8)
14.4. Packing group	II	II	II
14.5. Environmental hazards	No	No	No

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
 Hazard label(s) 5.1 (8)
 tunnel restriction code E

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
 Other regulations (EU)
 Biocide directive (98/8/EC).

National regulations

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

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

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!)

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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 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 8 Contact with combustible material may cause fire.

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.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.