



## SAFETY DATA SHEET

SANOSIL SUPER 25 AG

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Compilation date: 20/02/2019

Revision date: 07/04/2020

Revision No: 2

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

#### 1.1. Product identifier

**Product name:** SANOSIL SUPER 25 AG

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

**Use of substance / mixture:** Broad spectrum sanitiser.

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

**Company name:** Hydro-X Limited

Unit 1 Manor Drive

Outgang Lane

Dinnington

Sheffield

S25 3QU

**Tel:** 01909 565133

**Fax:** 01909 564301

**Email:** richard.sanderson@hydro-x.co.uk

#### 1.4. Emergency telephone number

**Emergency tel:** 01909 565133

(office hours only)

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification under CLP:** Skin Corr. 1B: H314; STOT SE 3: H335; Acute Tox. 4: H302+H332; Ox. Liq. 2: H272

**Most important adverse effects:** May intensify fire; oxidiser. Harmful if swallowed or if inhaled Causes severe skin burns and eye damage. May cause respiratory irritation.

#### 2.2. Label elements

##### Label elements:

**Hazard statements:** H272: May intensify fire; oxidiser.

H302+H332: Harmful if swallowed or if inhaled

H314: Causes severe skin burns and eye damage.

H335: May cause respiratory irritation.

**Hazard pictograms:** GHS03: Flame over circle

GHS05: Corrosion

GHS07: Exclamation mark



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**Signal words:** Danger

**Precautionary statements:** P102: Keep out of reach of children.

P220: Keep away from clothing and other combustible materials.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water .

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.

P501: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

HYDROGEN PEROXIDE SOLUTION - REACH registered number(s): 01-2119485845-22-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-765-0	7722-84-1	-	Ox. Liq. 1: H271; Acute Tox. 4: H332; Skin Corr. 1A: H314; STOT SE 3: H335; Acute Tox. 4: H302	30-50%

#### Non-classified ingredients:

SILVER

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-131-3	7440-22-4	-	-	<1%

ORTHOPHOSPHORIC ACID - REACH registered number(s): 01-2119485924-24-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-633-2	7664-38-2	-	Skin Corr. 1B: H314; Acute Tox. 4: H302; Met. Corr. 1: H290; Eye Dam. 1: H318	<1%

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

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**Ingestion:** Wash out mouth with water. Do not induce vomiting. Transfer to hospital as soon as possible.

**Inhalation:** If conscious, ensure the casualty sits or lies down. Remove casualty from exposure ensuring one's own safety whilst doing so. Seek medical attention if you feel unwell.

## 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** Severe burns may occur.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** No data available.

**Inhalation:** No data available.

**Delayed / immediate effects:** No data available.

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

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Alcohol resistant foam. Dry chemical powder. Water mist.

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

**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide. In combustion emits toxic fumes of carbon monoxide.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding. Alert the neighbourhood to the presence of fumes or gas.

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

**Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

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## 6.4. Reference to other sections

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.  
Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.  
**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Workplace exposure limits:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1.4 mg/m3	2.8 mg/m3	-	-

#### Respirable dust:

#### Hazardous ingredients:

#### HYDROGEN PEROXIDE SOLUTION

#### Workplace exposure limits:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1.4 mg/m3	2.8 mg/m3	-	-

#### Respirable dust:

#### Non-classified ingredients:

#### SILVER

#### Workplace exposure limits:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	0.1 mg/m3	-	-	-

#### Respirable dust:

#### ORTHOPHOSPHORIC ACID

UK	1 mg/m3	2 mg/m3	-	-
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### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Where ventilation is inadequate, wear self contained breathing apparatus. Short term:  
filter apparatus, special gas filter, NO-P3

**Hand protection:** Butyl gloves. Rubber gloves. Nitrile gloves. Glove thickness: 0.5mm Breakthrough time

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of the glove ca 480 Min Please observe the gloves manufacturer's instructions on permeability and rupture times.

**Eye protection:** Tightly fitting safety goggles. When handling this product, the use of safety glasses with side shields is recommended. The applicable European Standard can be found in EN 166.

**Skin protection:** Impermeable protective clothing.

**Environmental:** Avoid release to the environment

## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Colourless

**Odour:** Pungent

**Evaporation rate:** No data available.

**Oxidising:** Oxidising (by EC criteria)

**Solubility in water:** Soluble

**Viscosity:** No data available.

**Boiling point/range °C:** 110

**Flammability limits %: lower:** No data available.

**Flash point °C:** No data available.

**Autoflammability °C:** No data available.

**Relative density:** 1.20 g/cm<sup>3</sup> 20 °C

**VOC g/l:** No data available.

**Melting point/range °C:** -50

**upper:** No data available.

**Part.coeff. n-octanol/water:** No data available.

**Vapour pressure:** ca. 20hPa 20 °C

**pH:** <1

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** No data available.

### 10.2. Chemical stability

**Chemical stability:** No data available.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** No data available.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat. Hot surfaces. Flames.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids. Strong bases.

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## 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide. In combustion emits toxic fumes of carbon monoxide.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicity values:

Route	Species	Test	Value	Units
VAPOURS	RAT	4H LC50	>0.17	gm/kg
SKN	RBT	LD50	>5000	mg/kg
ORL	RAT	LD50	415	mg/kg
ORL	MUS	LD50	1312	mg/kg
IPR	RAT	LDLO	100	mg/kg

#### Hazardous ingredients:

##### HYDROGEN PEROXIDE SOLUTION

ORAL	RAT	LD50	431	mg/kg
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#### Non-classified ingredients:

##### ORTHOPHOSPHORIC ACID

ORL	RAT	LD50	1530	mg/kg
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#### Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	INH ING	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** Severe burns may occur.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** No data available.

**Inhalation:** No data available.

**Delayed / immediate effects:** No data available.

**Other information:** Not applicable.

## Section 12: Ecological information

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## 12.1. Toxicity

### Ecotoxicity values:

Species	Test	Value	Units
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	31.3	mg/l
FISH	96H LC50	70.3	mg/l
Daphnia magna	48H EC50	2.4-7.7	mg/l

### Hazardous ingredients:

#### ORTHOPHOSPHORIC ACID

Fish	96H LC50	>1000	mg/l
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## 12.2. Persistence and degradability

**Persistence and degradability:** No data available.

## 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

## 12.4. Mobility in soil

**Mobility:** No data available.

## 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

## 12.6. Other adverse effects

**Other adverse effects:** No data available.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Recovery operations:** Not applicable.

**Waste code number:** 16 09 03\*

**Disposal of packaging:** Empty drums should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN2014

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## 14.2. UN proper shipping name

Shipping name: HYDROGEN PEROXIDE, AQUEOUS SOLUTION

## 14.3. Transport hazard class(es)

Transport class: 5.1 (8)

## 14.4. Packing group

Packing group: II

## 14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

## 14.6. Special precautions for user

Tunnel code: E

## Section 15: Regulatory information

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

Specific regulations: Not applicable.

### 15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

\* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H271: May cause fire or explosion; strong oxidiser.

H272: May intensify fire; oxidiser.

H290: May be corrosive to metals.

H302: Harmful if swallowed.

H302+H332: Harmful if swallowed or if inhaled

H314: Causes severe skin burns and eye damage.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.