

SANISWISS BIOSANITIZER S1

SAFETY DATA SHEET

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

Review date: 11/17/2016

Supersedes: 1/12/2016

Edition: 4.1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. PRODUCT IDENTIFIER

Product form : Mixtures
 Product name : Saniswiss biosanitizer S1
 Product code : 132092, 132093
 Type of product : Detergent
 Product group : Mixture

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

1.2.1. Relevant identified uses

Main use category : Professional use
 Description/Application : Hospital disinfectant

1.2.2. Uses advised against

No additional information available

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Saniswiss SA
 Route de Frontenex 41A
 1207 Geneva - Switzerland
 t +41 22 718 75 75 – f +41 22 718 75 76
info@saniswiss.ch

1.4. EMERGENCY TELEPHONE NUMBER

COUNTRY	ORGANISATION/COMPANY	ADDRESS	EMERGENCY NUMBER	COMMENT
Switzerland	Centre Suisse d'Information Toxicologique		0041 (0) 44 25151 51 145	

SECTION 2: HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)

Hazardous to the aquatic environment — Chronic Hazard, Category 3 H4
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Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. LABEL ELEMENTS

Labelling according to Regulation (EC) No. 1272/2008 [CLP] ^{Extra}

CLP Signal word : -
 Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects
 Precautionary statements (CLP) : P273 - Avoid release to the environment
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

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2.3. OTHER HAZARDS

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. SUBSTANCES

Not applicable

3.2. MIXTURES

NAME	PRODUCT IDENTIFIER	%	CLASSIFICATION ACCORDING TO REGULATION (EC) NO. 1272/2008 [CLP]
hydrogen peroxide solution ... %	(CAS-no) 7722-84-1 (Einecs nr) 231-765-0 (EG annex nr) 008-003-00-9 (REACH-no) 01-2119485845-22	< 3.5	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 STOT SE 3, H335 Aquatic Chronic 3, H412
Acetic acid	(CAS-no) 64-19-7 (Einecs nr) 200-580-7 (EG annex nr) 607-002-00-6 (REACH-no) 01-2119475328-30	< 2.5	Flam. Liq. 3, H226 Skin Corr. 1A, H314
Propan-2-ol substance with a Community workplace exposure limit	(CAS-no) 67-63-0 (Einecs nr) 200-661-7 (EG annex nr) 603-117-00-0 (REACH-no) 01-2119457558-25	< 1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Phosphoric acid ... % substance with a Community workplace exposure limit	(CAS-no) 7664-38-2 (Einecs nr) 231-633-2 (EG annex nr) 015-011-00-6 (REACH-no) 01-2119485924-24	< 1	Met. Corr. 1, H290 Skin Corr. 1B, H314
Peracetic acid	(CAS-no) 79-21-0 (Einecs nr) 201-186-8 (EG annex nr) 607-094-00-8 (REACH-no) 01-2119531330-56	< 0.2	Flam. Liq. 3, H226 Org. Perox. D, H242 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)

Specific concentration limits:

PRODUCT IDENTIFIER	PRODUCT IDENTIFIER	SPECIFIC CONCENTRATION LIMITS
hydrogen peroxide solution ... %	(CAS-no) 7722-84-1 (Einecs nr) 231-765-0 (EG annex nr) 008-003-00-9 (REACH-no) 01-2119485845-22	(5 =<C < 8) Eye Irrit. 2, H319 (8 =<C < 50) Eye Dam. 1, H318 (C >= 35) STOT SE 3, H335 (35 =<C < 50) Skin Irrit. 2, H315 (50 =<C < 70) Skin Corr. 1B, H314 (50 =<C < 70) Ox. Liq. 2, H272 (C >= 70) Skin Corr. 1A, H314 (C >= 70) Ox. Liq. 1, H271
Acetic acid	(CAS-no) 64-19-7 (Einecs nr) 200-580-7 (EG annex nr) 607-002-00-6 (REACH-no) 01-2119475328-30	(10 =<C < 25) Eye Irrit. 2, H319 (10 =<C < 25) Skin Irrit. 2, H315 (25 =<C < 90) Skin Corr. 1B, H314 (C >= 90) Skin Corr. 1A, H314
Phosphoric acid ... %	(CAS-no) 7664-38-2 (Einecs nr) 231-633-2 (EG annex nr) 015-011-00-6 (REACH-no) 01-2119485924-24	(10 =<C < 25) Eye Irrit. 2, H319 (10 =<C < 25) Skin Irrit. 2, H315 (C >= 25) Skin Corr. 1B, H314
Peracetic acid	(CAS-no) 79-21-0 (Einecs nr) 201-186-8 (EG annex nr) 607-094-00-8 (REACH-no) 01-2119531330-56	(0.025 =<C < 0.25) Aquatic Chronic 3, H412 (0.25 =<C < 2.5) Aquatic Chronic 2, H411 (C >= 1) STOT SE 3, H335 (2.5 =<C < 25) Aquatic Chronic 1, H410 (C >= 25) Aquatic Chronic 1, H410 (C >= 25) Aquatic Acute 1, H400

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

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

General advice	:	In case of doubt or persistent symptoms, consult always a physician. For symptom description, see item 11.
Inhalation	:	In case of malaise, seek medical advice.
Skin contact	:	Wash off with plenty of water.
Eye contact	:	Wash with plenty of water.
Ingestion	:	If swallowed, seek medical advice immediately and show this container or label.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Acute effects inhalation	:	No data available.
Acute effects skin	:	No data available.
Acute effects eyes	:	No data available.
Acute effects oral route	:	No data available.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No additional information available

SECTION 5: FIRE-FIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Suitable extinguishing media	:	The product itself does not burn. In fire case not far from, any kind of extinguisher can be used. Foam, powder, carbon dioxide (CO ₂), water spray. (Liquid non-combustible miscible solution containing more than 90% of water, masse_ Manual of Tests and Criteria UN).
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5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

No additional information available

5.3. ADVICE FOR FIREFIGHTERS

Protection during firefighting	:	Use a self-contained breathing apparatus and also a protective suit.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

6.1.1. For non-emergency personnel

Protective equipment	:	Concerning personal protective equipment to use, see section 8.
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6.1.2. For emergency responders

No additional information available

6.2. ENVIRONMENTAL PRECAUTIONS

Prevent liquid from entering sewers, watercourses, underground or low areas.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods for cleaning up	:	Rinse with water.
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6.4. REFERENCE TO OTHER SECTIONS

No additional information available

SECTION 7: HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Precautions for safe handling	:	Avoid contact with skin and eyes. Shower, eyes shower and water point in proximity.
Hygiene measures	:	Always wash hands after handling the product.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage conditions	:	Store in original container.
Storage temperature	:	5 - 30 °C
Material(s) to avoid	:	Not determined.

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7.3. SPECIFIC END USE(S)

No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

ACETIC ACID (64-19-7)		
France	VLE (mg/m ³)	25 mg/m ³
France	VLE (ppm)	10 ppm
Switzerland	Local name	Essigsäure
Switzerland	VME (mg/m ³)	25 mg/m ³
Switzerland	VME (ppm)	10 ppm
Switzerland	VLE (mg/m ³)	50 mg/m ³
Switzerland	VLE (ppm)	20 ppm
Switzerland	Remark (CH)	SS _C - Auge, OAW ^{KT HU} & Lunge ^{KT HU} - NIOSH, OSHA
HYDROGEN PEROXIDE SOLUTION ... % (7722-84-1)		
France	VME (mg/m ³)	1.5 mg/m ³
France	VME (ppm)	1 ppm
Switzerland	Local name	Wasserstoffperoxid
Switzerland	VME (mg/m ³)	0.71 mg/m ³
Switzerland	VME (ppm)	0.5 ppm
Switzerland	VLE (mg/m ³)	0.71 mg/m ³
Switzerland	VLE (ppm)	0.5 ppm
Switzerland	Remark (CH)	SS _C - Auge & Haut & OAW, Asthma - DFG, OSHA
PROPAN-2-OL (67-63-0)		
France	VLE (mg/m ³)	980 mg/m ³
France	VLE (ppm)	400 ppm
Switzerland	Local name	Isopropanol (s. 2-Propanol)
Switzerland	VME (mg/m ³)	500 mg/m ³ 500 mg/m ³ 500 mg/m ³ 500 mg/m ³
Switzerland	VME (ppm)	200 ppm 200 ppm 200 ppm 200 ppm
Switzerland	VLE (mg/m ³)	1000 mg/m ³ 1000 mg/m ³ 1000 mg/m ³ 1000 mg/m ³
Switzerland	VLE (ppm)	400 ppm 400 ppm 400 ppm 400 ppm
Switzerland	Remark (CH)	B SS _C - Auge & OAW, ZNS, Leber ^{KT AN} - INRS, NIOSH
PHOSPHORIC ACID ... % (7664-38-2)		
France	VME (mg/m ³)	1 mg/m ³

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PHOSPHORIC ACID ... % (7664-38-2)		
France	VME (ppm)	0.2 ppm
France	VLE (mg/m ³)	2 mg/m ³
France	VLE (ppm)	0.5 ppm
Switzerland	Local name	Phosphorsäure
Switzerland	VME (mg/m ³)	1 mg/m ³
Switzerland	VLE (mg/m ³)	2 mg/m ³
Switzerland	Remark (CH)	SSc - OAW, Auge & Haut, Lunge ^{KT AN} - NIOSH, OSHA

8.2. EXPOSURE CONTROLS

Hand protection:

not required

Eye protection:

Not required

Protective equipment:

No special required clothing

Respiratory protection:

Not required

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Liquid
Physical state/form	: Liquid.
Colour	: Colourless.
Odour	: pungent.
Odour threshold	: No data available
pH	: 2.1 (2.1 - 2.3)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point/range	: No data available
Freezing point	: No data available
Boiling point/Boiling range	: No data available
Flash point	: Not applicable
Autoignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available

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Relative vapour density at 20 °C	: No data available
Relative density	: 1.005 - 1.02
Solubility	: Water: (100%) 20°C
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 1 mPa.s
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. OTHER INFORMATION

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. REACTIVITY

No additional information available

10.2. CHEMICAL STABILITY

Stable in use and storage conditions as recommended in item 7.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

No additional information available

10.4. CONDITIONS TO AVOID

Temperatures below 0°C. High temperatures. Do not store at temperatures above 30 degrees C.

10.5. INCOMPATIBLE MATERIALS

Do not mix with other products.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity : Not classified

HYDROGEN PEROXIDE SOLUTION ... % (7722-84-1)	
LD50 oral rat	= 872 mg/kg H2O2 70%
LD50 dermal rabbit	> 2000 mg/kg H2O2 70%
LC50 inhalation rat (mg/l)	=> 0.17 mg/l/4h 4 H H2O2 50%
PROPAN-2-OL (67-63-0)	
LD50 oral rat	5840 mg/kg
LD50 dermal rabbit	13900 mg/kg
LC50 inhalation rat (mg/l)	> 25 mg/l/4h
PHOSPHORIC ACID ... % (7664-38-2)	
LD50 oral rat	2600 mg/kg
LD50 dermal rabbit	2740 mg/kg

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Skin corrosion/irritation	:	Not classified pH: 2.1 (2.1 - 2.3)
Serious eye damage/irritation	:	Not classified pH: 2.1 (2.1 - 2.3)
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified

SECTION 12: ECOLOGICAL INFORMATION

12.1. TOXICITY

Ecology - general : Harmful to aquatic life with long lasting effects.

HYDROGEN PEROXIDE SOLUTION ... % (7722-84-1)	
LC50 fish 1	= 16.4 mg/l 96 h
LC50 fish 2	= 35 mg/l 72 h
EC50 Daphnia 1	= 7.7 mg/l 24 h
EC50 Daphnia 2	= 2.4 mg/l 48 h
PROPAN-2-OL (67-63-0)	
LC50 fish 1	9640 mg/l
EC50 Daphnia 1	9714 mg/l
ErC50 (algae)	> 100 mg/l
PHOSPHORIC ACID ... % (7664-38-2)	
LC50 fish 1	138 mg/l
EC50 Daphnia 2	> 100 mg/l

12.2. PERSISTENCE AND DEGRADABILITY

SANISWISS BIOSANITIZER S1	
Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
PROPAN-2-OL (67-63-0)	
Persistence and degradability	Readily biodegradable.

12.3. BIOACCUMULATIVE POTENTIAL

SANISWISS BIOSANITIZER S1	
Bioaccumulative potential	No data available.

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12.4. MOBILITY IN SOIL

No additional information available

12.5. RESULTS OF PBT AND VPVB ASSESSMENT

COMPONENT	
Propan-2-ol (67-63-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Phosphoric acid ... % (7664-38-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
hydrogen peroxide solution ... % (7722-84-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. OTHER ADVERSE EFFECTS

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

- Waste treatment methods : Dispose of in accordance with relevant local regulations.
Waste / unused products : Don't throw the residus in the sewers and the rivers.

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN NUMBER

UN-No. (ADR) : Not applicable

14.2. UN PROPER SHIPPING NAME

Proper shipping name : Not applicable

14.3. TRANSPORT HAZARD CLASS(ES)

ADR

Transport hazard class(es) (ADR) : Not applicable

14.4. PACKING GROUP

Packing group (ADR) : Not applicable

14.5. ENVIRONMENTAL HAZARDS

- Dangerous for the environment : No
Other information : No supplementary information available

14.6. SPECIAL PRECAUTIONS FOR USER

- Overland transport

Not applicable

14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list

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Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations : Not affected by the conditions of restriction _ANNEXE XVII.

Detergent Regulation : Labelling of contents:

COMPONENT	%
Non-ionic surfactants, anionic surfactants	<5%
Disinfectants	
perfumes	

15.1.2. National regulations

No additional information available

15.2. CHEMICAL SAFETY ASSESSMENT

No additional information available

SECTION 16: OTHER INFORMATION

Indication of changes:

SECTION	CHANGED ITEM	CHANGE	COMMENTS
9.1		Modified	
15.1		Modified	
16		Modified	

Other information : It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users. Such information is actually to be best of our knowledge and believes accurate as reliable. This information relates to the specific material designated and may not be valid in combination with other product(s). EC Regulation 1272/2008 and its amendments.

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Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Met. Corr. 1	Corrosive to metals, Category 1
Org. Perox. D	Organic Peroxides, Type D
Ox. Liq. 1	Oxidising Liquids, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H242	Heating may cause a fire
H271	May cause fire or explosion; strong oxidiser
H290	May be corrosive to metals
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
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

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Aquatic Chronic 3	H412	Expert judgment
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It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product