

# SANISWISS SANITIZER HANDS H1

## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Date first issue: Review date: 20/08/2015 Supersedes: 27/02/2014

Edition: 6.00

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

#### 1.1. PRODUCT IDENTIFIER

Product form : Mixture  
Product name : Saniswiss biosanitizer H1  
Product code : 132117, 132072, 132073, 132127, 132081, 132167, 132074  
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 : hydroalcoholic gel

##### 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 Genève - Switzerland  
t 41 22 718 75 75 - f 41 22 718 75 76 (during business hours Monday – Friday)  
[info@saniswiss.ch](mailto:info@saniswiss.ch)

#### 1.4. EMERGENCY TELEPHONE NUMBER

| Country     | Organisation/Company                      | Address                        | Emergency number |
|-------------|---|--------------------------------|------------------|
| Switzerland | Centre Suisse d'Information Toxicologique | Freiestrasse 16<br>8032 Zürich | +41 44 251 51 51 |

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

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

Flam. Liq. 2 H225  
Eye Irrit. 2 H319  
Aquatic Chronic 3 H412

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]

Hazard pictograms (CLP) :



GHS02

GHS07

CLP Signal word : Danger  
Hazard statements (CLP) : H225 - Highly flammable liquid and vapour  
H319 - Causes serious eye irritation  
H412 - Harmful to aquatic life with long lasting effects  
Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking  
P273 - Avoid release to the environment  
P280 - Wear eye protection  
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  
P403+P235 - Store in a well-ventilated place. Keep cool

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### 2.3. OTHER HAZARDS

No additional information available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. SUBSTANCE

Not applicable

### 3.2. MIXTURE

| Name         | Product identifier   | %       | Classification according to Directive 67/548/EEC |
|--------------|--|---------|--|
| Ethanol      | (CAS-no) 64-17-5<br>(Einecs nr) 200-578-6<br>(EG annex nr) 603-002-00-5<br>(REACH-no) 01-2119457610-43 | 50 - 80 | F; R11   |
| tetradecanol | (CAS-no) 112-72-1<br>(Einecs nr) 204-000-3<br>(REACH-no) 01-2119485910-33                              | < 1     | Xi; R36  |

  

| Name         | Product identifier   | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--------------|--|---------|---|
| Ethanol      | (CAS-no) 64-17-5<br>(Einecs nr) 200-578-6<br>(EG annex nr) 603-002-00-5<br>(REACH-no) 01-2119457610-43 | 50 - 80 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319                        |
| tetradecanol | (CAS-no) 112-72-1<br>(Einecs nr) 204-000-3<br>(REACH-no) 01-2119485910-33                              | < 1     | Eye Irrit. 2, H319<br>Aquatic Chronic 1, H410                   |

Full text of H-statements: see section 16

## SECTION 4: FIRST AID MEASURES

### 4.1. DESCRIPTION OF FIRST AID MEASURES

General advice : In case of doubt or persistent symptoms, consult always a physician. For symptom description, see item 11.

Inhalation : Move to fresh air.

Skin contact : Rinse with water.

Eye contact : Wash with plenty of water and if necessary take medical advice.

Ingestion : Rinse mouth. Do not induce vomiting. Ask for medical advice.

### 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 : Causes serious eye irritation.

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: FIREFIGHTING MEASURES

### 5.1. EXTINGUISHING MEDIA

Suitable extinguishing media : Foam, powder, carbon dioxide (CO<sub>2</sub>), water spray.

### 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.

## 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 : Wash away remainder with plenty of water.

### 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 : Do not eat, drink or smoke when using this product. Shower, eyes shower and water point in proximity.

Hygiene measures : Do not eat, drink or smoke when using this product.

### 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage conditions : Store in original container. Protect from heat and direct sunlight.

Storage temperature : 5 - 30 °C

Material(s) to avoid : Not determined.

Storage area : Store in a cool area. Keep container in a well-ventilated place.

### 7.3. SPECIFIC END USE(S)

No additional information available

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. CONTROL PARAMETERS

| Ethanol (64-17-5) |             |            |
|-------------------|-------------|------------|
| France            | VLE (mg/m³) | 9500 mg/m³ |
| France            | VLE (ppm)   | 5000 ppm   |
| France            | VME (mg/m³) | 1900 mg/m³ |
| France            | VME (ppm)   | 1000 ppm   |
| Switzerland       | VLE (mg/m³) | 1920 mg/m³ |
| Switzerland       | VLE (ppm)   | 1000 ppm   |
| Switzerland       | VME (mg/m³) | 960 mg/m³  |
| Switzerland       | VME (ppm)   | 500 ppm    |
| Switzerland       | Remark (CH) | 4x15       |

| Ethanol (64-17-5)                        |                          |
|--|--------------------------|
| DNEL/DMEL (Workers)                      |                          |
| Acute - systemic effects, inhalation     | 1900 mg/m³               |
| Long-term - systemic effects, dermal     | 343 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 950 mg/m³                |
| DNEL/DMEL (General population)           |                          |
| Long-term - systemic effects, oral       | 87 mg/kg bodyweight/day  |
| Long-term - systemic effects, inhalation | 114 mg/m³                |
| Long-term - systemic effects, dermal     | 206 mg/kg bodyweight/day |
| PNEC (Water)                             |                          |
| PNEC aqua (freshwater)                   | 0.96 mg/l                |
| PNEC aqua (marine water)                 | 0.79 mg/l                |
| PNEC (Sediment)                          |                          |
| PNEC sediment (freshwater)               | 3.6 mg/kg dwt            |
| PNEC sediment (marine water)             | 2.9 mg/kg dwt            |
| PNEC (Soil)                              |                          |
| PNEC soil                                | 0.63 mg/kg dwt           |
| PNEC (Oral)                              |                          |
| PNEC oral (secondary poisoning)          | 0.72 mg/kg food          |

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### Ethanol (64-17-5)

#### PNEC (STP)

|                             |          |
|-----------------------------|----------|
| PNEC sewage treatment plant | 580 mg/l |
|-----------------------------|----------|

### 8.2. EXPOSURE CONTROLS

|                        |                                 |
|------------------------|---------------------------------|
| Hand protection        | : No.                           |
| Eye protection         | : safety goggles (EN 166).      |
| Protective equipment   | : No special required clothing. |
| Respiratory protection | : No.                           |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

|  |                        |
|--|------------------------|
| Physical state                             | : Liquid               |
| Physical state/form                        | : viscous liquid.      |
| Colour                                     | : Colourless.          |
| Odour                                      | : alcohol odour.       |
| Odour threshold                            | : No data available    |
| pH   | : 7.5 - 8.5            |
| Relative evaporation rate (butylacetate=1) | : No data available    |
| Melting point/range                        | : No data available    |
| Freezing point                             | : No data available    |
| Boiling point/Boiling range                | : > 35 °C              |
| Flash point                                | : = 20 °C              |
| Autoignition temperature                   | : No data available    |
| Decomposition temperature                  | : No data available    |
| Flammability (solid, gas)                  | : No data available    |
| Vapour pressure                            | : No data available    |
| Relative vapour density at 20 °C           | : No data available    |
| Relative density                           | : 0.863 - 0.873 (20°C) |
| Solubility                                 | : Water: 100 % 20°C    |
| Log Pow                                    | : No data available    |
| Log Kow                                    | : No data available    |
| Viscosity, kinematic                       | : No data available    |
| Viscosity, dynamic                         | : No data available    |
| 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

Heat. Direct sunlight.

### 10.5. INCOMPATIBLE MATERIALS

Do not mix with other products. Strong oxidizing agents.

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### 10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. nitrogen oxides (NOx).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity : Not classified

| Ethanol (64-17-5)  |              |
|--------------------|--------------|
| LD50 oral rat      | > 2000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |

Skin corrosion/irritation : Not classified

pH: 7.5 - 8.5

Serious eye damage/irritation : Causes serious eye irritation.

pH: 7.5 - 8.5

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (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.

| tetradecanol (112-72-1) |                             |
|-------------------------|-----------------------------|
| NOEC (chronic)          | > 0.001 ( $\leq$ 0.01) mg/l |

| Ethanol (64-17-5)              |              |
|--------------------------------|--------------|
| LC50 fish 1                    | 11200 mg/l   |
| LC50 other aquatic organisms 1 | > 10000 mg/l |
| ErC50 (algae)                  | 275 mg/l     |

### 12.2. PERSISTENCE AND DEGRADABILITY

| Ethanol (64-17-5)               |                                   |
|---------------------------------|-----------------------------------|
| Biochemical oxygen demand (BOD) | 0.1 g O <sub>2</sub> /g substance |
| Chemical oxygen demand (COD)    | 1.9 g O <sub>2</sub> /g substance |

### 12.3. BIOACCUMULATIVE POTENTIAL

| Ethanol (64-17-5) |      |
|-------------------|------|
| Log Kow           | -0.3 |

### 12.4. MOBILITY IN SOIL

No additional information available

### 12.5. RESULTS OF PBT AND VPVB ASSESSMENT

| Ethanol (64-17-5)  |  |
|--|--|
| 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

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### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. WASTE TREATMENT METHODS

Regional legislation (waste) : Follow the local regulation.  
Waste treatment methods : Dispose of in accordance with relevant local regulations.  
Waste / unused products : Do not discharge into drains or the environment.

### SECTION 14: TRANSPORT INFORMATION

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

#### 14.1. UN NUMBER

UN-No. (ADR) : 1993

#### 14.2. UN PROPER SHIPPING NAME

Proper shipping name : Flammable liquid, N.S.A contains ethanol  
Transport document description (ADR) : UN 1993 Flammable liquid, N.S.A contains ethanol, 3, III, (D/E)

#### 14.3. TRANSPORT HAZARD CLASS(ES)

Class (ADR) : 3  
Danger labels (ADR) : 3



#### 14.4. PACKING GROUP

Packing group (ADR) : III

#### 14.5. ENVIRONMENTAL HAZARDS

Other information : No supplementary information available.

#### 14.6. SPECIAL PRECAUTIONS FOR USER

##### 14.6.1. Overland transport

Classification code (ADR) : F1  
Transport category (ADR) : 3  
Tunnel code : D/E  
Limited quantities (ADR) : 5I  
LQ : LQ07  
Excepted quantities (ADR) : E1

##### 14.6.2. Transport by sea

No additional information available

##### 14.6.3. Air transport

No additional information available

#### 14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 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  
Contains no REACH Annex XIV substances  
Other information, restriction and prohibition regulations : Not affected by the conditions of restriction \_ ANNEXE XVII.

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### 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: |     |   |          |  |
|------------------------|-----|---|----------|--|
|                        | 2.1 | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Removed  |  |
|                        | 2.2 | Label elements  | Modified |  |
|                        | 8   |   | Modified |  |
|                        | 11  |   | Modified |  |
|                        | 12. |   | Modified |  |
|                        | 15  |   | 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.

| Full text of R-, H- and EUH-statements: |                   |   |
|---|-------------------|---|
|   | 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                                     |
|   | H225              | Highly flammable liquid and vapour                                |
|   | H319              | Causes serious eye irritation                                     |
|   | H410              | Very toxic to aquatic life with long lasting effects              |
|   | H412              | Harmful to aquatic life with long lasting effects                 |

*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*