

Saniswiss biosanitizer aHP P**SAFETY DATA SHEET**

(REACH Regulation (EC) No. 1907/2006 – No.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier**Product name: **Saniswiss biosanitizer aHP P**

Product code: 132041, 132048

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

Ready to use solution, used as a bactericidal, fungicidal, virucidal and sporicidal disinfectant
Non-recommended use : do not dilute the product.

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

name:	Saniswiss SA
Address:	Chemin des Tulipiers 19 1208 Geneva, Switzerland
t	+41 22 718 75 75
f	+41 22 718 75 76 info@saniswiss.com

1.4. Emergency contact number:

Company/Body: INRS/ORFILA <http://www.centres-antipoison.net>+33.145.425.959 Emergency service – Number in the European Union = 112

SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture****In accordance with Regulation (EC) No. 1272/2008 and its amendments**

Eye irritation, Category 2 (Eye Irrit. 2, H319)

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site. This mixture does not present a hazard to the environment. No harm to the environment is known or expected under normal conditions of use.

In accordance with Directive 67/548/ EEC, 1999/45/EC and their amendments

Eye irritation (Xi, R 36)

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site. This mixture does not present a hazard to the environment. No harm to the environment is known or expected under normal conditions of use.

2.2. Label elements

The mixture is a product to be used as a biocide (see Section 15).

In accordance with Regulation (EC) No. 1272/2008 and its**amendments Hazard pictograms:**

GHS07



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Signal word:

WARNING

Hazard statements and additional information on the hazards:

H319 Causes severe eye irritation.

Precautionary statements – Prevention:P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.**Precautionary statements – Response:**P305 + P351 + P338 IF IN CONTACT WITH EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 In case eye irritation persists: consult a doctor.**2.3. Other hazards**

The mixture contains no 'Substances of very high concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) according to Article 57 of the REACH: <http://echa.europa.eu/fr/candidate-list-table>
The mixture does not meet the criteria applicable to PBT or vPvB mixtures, in accordance with Annexe XIII of the REACH Regulation (EC) No. 1907/2006.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**Composition of mixtures:**

Identification	(CE) 1272/2008	67/548/ EEC	Note	%
CAS: 7722-84-1 EC: 231-765-0 REACH: 01-2119485845-22 HYDROGEN PEROXIDE SOLUTION	GHS07, GHS05, GHS03 Dgr Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 Acute Tox. 4, H332	C,O C;R35 Xn;R20/2 2 Xi; R37- R41 O;R8 R5	[1]	6%

Information on ingredients:

[1] Substance for which there are exposure limits in the workplace.

SECTION 4: FIRST AID MEASURES

In general, in case of doubt or if symptoms persist, always call a doctor. NEVER give anything to an unconscious person orally.

4.1. Description of first aid**measures in case of contact****with eyes:**

Wash with plenty of fresh, clean water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

In case of contact with the skin:

Wash skin thoroughly with soap and water and use a recognized cleaner.

If swallowed:

Consult a doctor and show him the label.

4.2. Important symptoms and effects, both acute and delayed

No data available.

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

No data available.

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SECTION 5: FIREFIGHTING MEASURES

Non-flammable

5.1. Extinguishing media

No data available.

5.2. Special hazards arising from the substance or mixture

A fire will often produce thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe fumes.

A fire may result in the following:

- Carbon monoxide (CO)
- Carbon dioxide (CO₂)

5.3. Advice for fire-fighters

Due to the toxicity of the gases emitted from the thermal decomposition of the products, the personnel are to be equipped with independent insulating breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Refer to the protective measures listed in Sections 7 and 8.

For non-emergency personnel

Avoid contact with skin and eyes.

For emergency personnel

The personnel will be equipped with suitable personal protective equipment (see Section 8).

6.2. Environmental precautions

Dilute with plenty of water in case of accidental spills.

6.3. Methods and material for containment and cleaning up

Preferably clean with a detergent, avoid the use of solvents.

6.4. Reference to other sections

No data available.

SECTION 7: HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the mixture is handled.

7.1. Precautions for safe handling

Wash hands after use.

Fire prevention:

Prevent access by unauthorised persons.

Recommended equipment and procedures:

For personal protection, see Section 8.

Take the precautions stated on the label and the regulations concerning labour protection. Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

- The product should be stored only in the original packaging.
- The cans should be stored in an upright position and at a temperature of > 5°C and < 30°C.
- The cans should be kept away from heat and light.

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7.3. Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

Occupation exposure limit values:

ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :						
CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :	
7722-84-1	1 ppm	-	-	-	-	-
Germany – AGW (BAuA– TRGS 900, 21/06/2010) :						
CAS	VME :	VME :	Overrun	Comments		
7722-84-1	1 ppm	-	-	-		
Belgium (Order of 19/05/2009, 2010):						
CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :	
7722-84-1	1 ppm	-	-	-	-	
France (INRS - ED984 :2012) :						
CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP N° :
7722-84-1	1	1.5	-	-	-	-
United Kingdom/WEL (Workplace exposure limits, EH40/2005, 2007):						
CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :	
7722-84-1	1 ppm	2 ppm	-	-	-	

Derived No-Effect-Level (DNEL) or Derived Minimal Effect Level (DMEL)

HYDROGEN PEROXIDE SOLUTION 50 % (CAS: 7722-84-1)

End use:	Workers
Exposure route:	Inhalation
Potential health effects: DNEL :	Short-term local effects 3 mg substance/m3
Exposure route:	Inhalation
Potential health effects: DNEL :	Long-term local effects 1.4 mg substance/m3
End use:	Consumers
Exposure route:	Inhalation
Potential health effects: DNEL :	Short-term local effects 1.93 mg substance/m3
Exposure route:	Inhalation
Potential health effects: DNEL :	Long-term local effects 0.21 mg substance/m3

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Predicted No-Effect Concentration (PNEC):

HYDROGEN PEROXIDE SOLUTION 50 % (CAS: 7722-84-1)	
Environmental compartment:	Soil
PNEC:	0.0019 mg/kg
Environmental compartment:	Fresh water
PNEC:	0.0126 mg/kg
Environmental compartment:	Seawater
PNEC:	0.0126 mg/kg
Environment compartment:	Intermittent discharge
water PNEC:	0.0138 mg/l
Environmental compartment:	Freshwater
sediment PNEC:	0.047 mg/kg
Environmental compartment:	Marine
sediment PNEC:	0.047 mg/kg
Environmental compartment:	Waste water treatment
plant PNEC:	4.66 mg/l

8.2. Exposure controls**Personal protection measures, such as personal protective equipment**

Pictogram(s) for mandatory use of personal protective equipment (PPE):



Use clean and properly maintained personal protective equipment.
Store personal protective equipment in a clean place, away from the work area
While using it, do not eat, drink or smoke. Remove and wash contaminated clothing before reuse. Ensure adequate ventilation, especially in confined areas.

- Eye protection/face protection

Avoid contact with eyes.

Use eye protection designed to protect against liquid splashes.

Before handling, it is necessary to wear glasses with side protection in accordance with Standard NF EN166. In case of aggravated danger, use a face shield for facial protection.

Wearing prescription glasses does not constitute protection.

It is recommended that contact lens wearers use prescription glasses during work where they may be exposed to irritating fumes. Provide eye washes in workshops where the product is frequently handled.

- Hand protection

Wear suitable protective gloves in case of prolonged or repeated contact with skin.

Use suitable protective gloves resistant to chemical agents in accordance with Standard NF EN374. The selection of gloves must be made according to the application and duration of use at the workplace.

Protective gloves must be chosen according to the workplace: other chemical products that may be handled, essential physical protection (cut, puncture, heat protection), dexterity required.

Type of gloves recommended:

- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer (NBR))
- PVC (Polyvinyl chloride)
- Butyl rubber (isobutylene-isoprene copolymer) Recommended properties:
- Impervious gloves in accordance with Standard EN374

- Body protection

The personnel will wear regularly laundered overalls.

After contact with the product, all parts of the body must be washed.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical

properties General information

Physical State:	Fluid liquid.
Colour:	Colourless.
Odour:	Odorless.

Important information concerning health, safety and environment

pH:	3.5 ± 0.5. Weak acid.
Boiling point:	100°C.
Flash point interval:	Not applicable.
Vapour pressure (50°C):	Not applicable.
Density:	1.01
Water solubility:	Dilutable.

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the handling and storage conditions recommended in Section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid:

- Freezing
- Constant exposure to sunlight and sources of heat >30°C may cause slight degassing.

10.5. Incompatible materials

Keep away from bases

10.6. Hazardous decomposition products

Thermal decomposition may release/form:

- Carbon monoxide (CO)
- Carbon dioxide (CO₂)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Can cause reversible eye effects, such as eye irritation that is fully reversible by the end of a 21-day observation period

11.1.1. Substance

s:

Acute toxicity

HYDROGEN PEROXIDE SOLUTION 50 % (CAS: 7722-84-1)	
Oral:	300 < DL50 ≤ 2,000 mg/kg
Species:	Rat
Dermal:	DL50 = 4,060 mg/kg
Species:	Rabbit
By inhalation (dust/mist):	1 < LC50 ≤ 5
mg/l Species:	Rat

11.1.2. Mixture

No toxicological information is available on the mixture.

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Monograph(s) of the IARC (International Agency for Research on Cancer):

CAS 7722-84-1: CIRC Group 3: The agent cannot be classified as regards its carcinogenicity to humans.

Substance(s) described in a material safety data sheet of the INRS (Institute for occupational risk prevention):

Hydrogen peroxide and aqueous solutions (CAS 7722-84-1): See MSDS No. 123.

SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity****12.1.1. Substances**

HYDROGEN PEROXIDE SOLUTION 50 % (CAS: 7722-84-1)

Toxicity to fish: CL50 = 16.4 mg/l
Species: Fathead
minnow
Duration of exposure: 96 h

Toxicity to crustaceans: CE50 = 7.7
mg/l Species: Daphnia
magna Duration of exposure: 24 h

12.1.2. Mixtures

No aquatic toxicity information is available on the mixture.

12.2. Persistence and degradability**Substances**

HYDROGEN PEROXIDE SOLUTION 50 % (CAS: 7722-84-1)
Biodegradation: Easily biodegradable.

12.3. Bioaccumulation potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB evaluations

No data available.

12.6. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK):

WGK 1 (VwVwSvom 27/07/2005, KBws): Slightly hazardous for water.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with the provisions of Directive 2008/98/EC.

Waste treatment methods

Disposal of the product using residue-free aqueous dilution The entire empty packaging is recyclable.

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SECTION 14: TRANSPORT INFORMATION

Exempted from classification and Transport labeling

Transport the product in accordance with the provisions of the ADR for roads, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 – IMDG 2012 – ICAO/IATA 2014).

SECTION 15: REGULATORY INFORMATION**15.1. Regulations/laws specific to the substance or mixture with regard to safety, health and****environment Information on classification and labelling provided in Section 2:**

The following regulations were taken into account:

- Directive 67/548/EEC and its amendments
- Directive 1999/45/EC and its amendments
- Regulation (EC) No. 1272/2008 as amended by Regulation (EU) No. 487/2013
- Regulation (EC) No. 1272/2008 as amended by Regulation (EU) No. 758/2013
- Regulation (EC) No. 1272/2008 as amended by Regulation (EU) No. 944/2013
- Regulation (EC) No. 1272/2008 as amended by Regulation (EU) No. 605/2014

Information on packaging:

No data available.

Special provisions:

No data available.

Labeling of biocides (Regulation 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):

Nom	CAS	%	Type of products
HYDROGEN PEROXIDE SOLUTION 50 %	7722-84-1	60.00 g/kg	02

Type of products 2: Disinfectants and algacides not intended for direct application on humans or animals.

- Decree No. 2014-285 of 3 March 2014 amending the nomenclature of classified installations, taking into account the provisions of the Seveso 3 Directive 2012/18/EU (Effective on 1 June 2015):

N° ICPE	Description of the heading	Regime	Range
3440	Manufacturing in industrial quantity by chemical or biological transformation of plant protection products or biocides	A	3

Regime = A: authorisation; E: Recording; D: declaration; S: public utility service; C: subject to the periodic review under Article L. 512-11 of the Environment code.

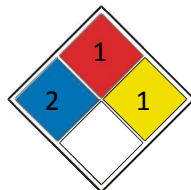
Range = Range of display in kilometres.

- German regulations concerning the classification of hazards for water (WGK):

WGK 1 (VwVwSvom 27/07/2005, KBws): Slightly hazardous for water.

- Standardised American system for identification of hazards presented by the product for emergency interventions (NFPA 704):

NFPA 704 Label: Health=2 Flammability=1 Instability/Reactivity=1 Specific risk=none

**15.2. Assessment of the chemical safety**

No data available.

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SECTION 16: OTHER INFORMATION

As we do not know the working conditions of the user, the information provided in this safety data sheet is based on the state of our knowledge and on the national and community regulations.

The mixture should not be used for any purpose other than those specified under Section 1 without first obtaining handling instructions in writing.

It is always the user's responsibility to take all necessary steps to meet the requirements of local laws and regulations.

The information provided in this safety data sheet must be regarded as a description of the safety requirements relating to this mixture and not as a guarantee of the properties thereof.

In accordance with Directive 67/548/ EEC, 1999/45/EC and their

amendments Hazard symbols:

Xi: Irritant



Risk phrases:

R 36 Irritant for the eyes

Safety phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 60 Dispose of the product and its container as hazardous waste.

H, EUH statements and R phrases indicated in Section 3:

H271 May cause fire or explosion; strong oxidizer.
 H302 Harmful if swallowed.
 H332 Harmful if inhaled.
 R 20/22 Harmful if swallowed or inhaled.
 R 35 Causes severe burns.
 R 37 Irritant for the respiratory system
 R 41 Risk of serious eye damage.
 R 5 Danger of explosion under the action of heat.
 R 8 Contact with combustible material may cause fire.

List of changes in the SDS:

Revision 1: 04/03/2010 (overall review of the SDS)

Revision 2: 23/11/2010 (update of the SDS in accordance with EU Regulation No.

453/2010 Revision 3: 23/05/2011 (precision of concentrations of the substances of the mixture) Revision 4: 09/01/2012 (\$3, \$8, \$11, \$12 and \$16)

Revision 5: 22/12/2014 (overall review of the SDS)

Abbreviations:

DNEL: Derived No-Effect-Level.
 PNEC: Predicted No-Effect Concentration.
 ADR: European Agreement on the International Carriage of Dangerous Goods by Road.
 IMDG: International Maritime Dangerous Goods.
 IATA: International Air Transport Association.
 ICAO: International Civil Aviation Organisation.
 RID: Regulations concerning the International carriage of Dangerous goods by rail.
 WGK: Wassergefährdungsklasse (Water Hazard Class).
 GHS07: Exclamation mark.