



SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

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

1.1. Product identifier

Product name : ANIOXYDE 1000_GENERATEUR
Product code : 1081/1081.

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

Cold disinfection of instruments and endoscopes
To be used after activation with ACTIVATOR.
For further information on product indication, please see the label.

1.3. Details of the supplier of the safety data sheet

Registered company name : Laboratoires ANIOS.
Address : PAVE DU MOULIN .59260.LILLE - HELLEMMES.FRANCE.
Telephone : + 33 (0)3 20 67 67 67. Fax : + 33 (0)3 20 67 67 68.
e.mail : fds@anios.com
www.anios.com

1.4. Emergency telephone number : + 33(0)1 45 42 59 59.

Association/Organisation : INRS.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

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 health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Additional labeling :
EUH210 Safety data sheet available on request.
Precautionary statements - General :
P102 Keep out of reach of children.
Precautionary statements - Prevention :
P280 Wear protective gloves.
Precautionary statements - Response :
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Precautionary statements - Disposal :
P501 Dispose of unused product and its container as hazardous waste.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>
Risk of decomposition if in contact with decomposition catalysts, alkalis, reducing agents, flammable products.
The product is an oxidizing reactive agent. Risk of decomposition when heated.
Caution! Due to use of a degasser cap, it is imperative that packages are stored upright (cap on top), in order to avoid excessive pressure (risk of leak and/or swelling)

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Title for H and EUH statements: see § 16.

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	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 STOT SE 3, H335 Aquatic Chronic 3, H412	B [1]	2.5 <= x % < 10

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures**In the event of exposure by inhalation :**

Move the person away from the place of exposure and take him/her outside.

In the event of splashes or contact with eyes :

If applicable, remove contact lenses.

Wash thoroughly with soft clean water for 15 minutes, holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist. Show this container or label.

In the event of splashes or contact with skin :

Remove all contaminated or stained clothing immediately. Do not use them again until they have been decontaminated.

Rinse immediately and thoroughly with water.

In the event of skin irritation, seek medical advice. Show this container or label.

In the event of swallowing :

Rinse out the mouth, do not allow to drink, do not induce vomiting. Calm the person down and transfer immediately to hospital or doctor. Show the label to the doctor.

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

Cf. § 11

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

Refer to the recommendation of the doctor.

SECTION 5 : FIREFIGHTING MEASURES**5.1. Extinguishing media****Suitable methods of extinction**

Any extinguishing agents are authorized: foam, sand, carbon dioxide, water, powder.

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

5.3. Advice for firefighters

Use autonomous insulating breathing apparatus and a full protective suit.

SECTION 6 : ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Do not get rid in natural spaces (waterways, ground and vegetations...)

6.3. Methods and material for containment and cleaning up

Absorb any spilled product with absorbent non-combustible materials, and sweep away or remove with a shovel. Put any waste in drums for disposal. Do not mix with any other waste. Wash the contaminated surface thoroughly with water.

Do not collect the product for re-use.

6.4. Reference to other sections

Disposal considerations: see section 13.

SECTION 7 : HANDLING AND STORAGE**7.1. Precautions for safe handling**

Product for external use - do not swallow.
Avoid all contact with skin or eyes.
Handle in accordance with user instructions on label
Do not hermetically seal the container.
Risk of overpressure and bursting in the event of decomposition in closed containers and in pipes.
Do not mix with any other product than the ones dedicated to the solution activation.
Handle in a well ventilated place, with extraction at the source during transfer operations.

Recommended equipment and procedures :

For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Ensure room is well ventilated.
Water source nearby.

7.2. Conditions for safe storage, including any incompatibilities

Keep in the original container only, in a cool and well-ventilated place, out of the light and away from combustible materials and reducing agents (amines), acids, bases, heavy metal compounds (accelerators, siccative agents, metallic salts)
Recommended storage temperature: from +5°C to +25°C.
Do not hermetically seal the container
Always transport and store the containers upright.
Risk of overpressure and bursting in the event of decomposition in closed containers and in pipes.
Do not use after the expiry date mentioned on the packaging.
Keep out of the reach of children
Store away from light
Store away from incompatible materials (see section 10)

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

For professional use only
Refer to paragraph 1 for product indication

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

The information in this chapter refers to the product specifically described in this document. If the product is handled and/or exposed simultaneously with other chemical agents, these must be taken into consideration when choosing personal safety equipment.

The Exposure Threshold Limit Value and the Average Exposure Value given below are quoted by the CAS number of the substance. Paragraph 3 details the chemical name corresponding to the CAS number.

8.1. Control parameters**Occupational exposure limits :**

- Belgium (Order of 19/05/2009, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7722-84-1	1 ppm 1,4 mg/m ³				

- France (INRS - ED984 :2012) :

CAS	VME-ppm :	VME-mg/m ³ :	VLE-ppm :	VLE-mg/m ³ :	Notes :	TMP No :
7722-84-1	1	1.5	-	-	-	-

- Spain (Instituto Nacional de Seguridad e Higiene en el Trabajo (INSHT), Mayo 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7722-84-1	1 ppm 1,4 mg/m ³				

- Poland (2014) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7722-84-1	0,4 mg/m ³	0,8 mg/m ³			

- Czech Republic (Regulation No. 361/2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7722-84-1	1 mg/m ³	2 mg/m ³		I	

- Slovakia (Regulation No. 300/2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :

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7722-84-1	1 ppm 1,4 mg/m3	1,4 mg/m3			
- Switzerland (SUVA 2015) :					
CAS	VME	VLE	Valeur plafond	Notations	
7722-84-1	0,5 ppm 0,71 mg/m3	0,5 ppm 0,71 mg/m3		SSC	
- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :					
CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7722-84-1	1 ppm 1,4 mg/m3	2 ppm 2,8 mg/m3			

8.2. Exposure controls**Suitable technical inspections**

Ensure the rooms are well-ventilated. Atmospheric concentrations at the workplace must not exceed the limit values given for normal conditions of use.

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Water source nearby.

- Hand protection

Recommended properties :

- Impervious gloves in accordance with standard EN374

When handling this product, wear suitable gloves.

Neopren gloves are particularly recommended.

Gloves must be replaced immediately if they show signs of wear and tear.

- Respiratory protection

In case of insufficient ventilation, with the risk of exceeding the TLVs (Treshold Limit Values)/TWA, wear suitable breathing apparatus.

Particularly cartridge mask with filter ABEK CO NO

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****General information :**

Physical state :	Fluid liquid.
Colour:	colourless
Odour:	Weak

Important health, safety and environmental information

pH :	8.00 .
	Slightly basic.
Boiling point/boiling range :	Not specified.
Flash point interval :	Not relevant.
Vapour pressure (50°C) :	Not relevant.
Density :	+/- 1.0
Water solubility :	Soluble.
Melting point/melting range :	Not specified.
Self-ignition temperature :	Not specified.
Decomposition point/decomposition range :	Not specified.

9.2. Other information

The pH stated in section 9.1 is an indicative value. Below the minimum and maximum product pH:

pH pure product:	7.0-9.0
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SECTION 10 : STABILITY AND REACTIVITY

The product is a reactive oxidizing agent. Risk of decomposition if heated.

The preparation is stable under the recommended storage conditions (cf. § 7).

10.1. Reactivity

No hazardous reaction if the instructions/indications for storage and handling are respected.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Cf. § 10.1 and 10.2

10.4. Conditions to avoid

Avoid :

- frost

Do not mix with chlorinated products.

Do not mix with other products except those defined for use.

Decomposition by heat and light.

Avoid exposure to light and sun

10.5. Incompatible materials

Decomposition catalysts, alkalis, reducing agents, iron, galvanized steels, soft steels, non ferrous metal, aluminium: possible dangerous reaction (product decomposition with release of hydrogen and oxygen).

10.6. Hazardous decomposition products

At high temperatures, dangerous decomposition products may be produced, such as fumes, carbon dioxide and carbon monoxide, nitrogen oxide. Breakdown in water and oxygen

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No data available.

11.1.1. Substances

Not specified

11.1.2. Mixture

The toxicological data of the mixture (resulting from studies or in accordance with conventional methods) are outlined below.

Acute toxicity :

Acute toxicity estimate (ATE)* :

Oral ATE : > 2000 mg/kg

* according to the method of calculation describe in the CLP regulation (Classification, Labelling, Packaging) Part 3 Chapter 3.1 based on the data of the different components present in the product.

Ingestion may lead to irritation of the buccal cavity.

Sore throat, abdominal pain, nausea.

Skin corrosion/skin irritation :

Possibility of itching with light to moderate local redness.

Serious damage to eyes/eye irritation :

May lead to slight ocular irritation: redness of the conjunctiva and lachrimation.

Respiratory or skin sensitisation :

Product not classified in this hazard category.

Germ cell mutagenicity :

Product not classified in this hazard category.

Carcinogenicity :

Product not classified in this hazard category.

Reproductive toxicant :

Product not classified in this hazard category.

Specific target organ systemic toxicity - single exposure :

Product not classified in this hazard category.

Specific target organ systemic toxicity - repeated exposure :

Product not classified in this hazard category.

Aspiration hazard :

Product not classified in this hazard category.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

Not specified

12.1.2. Mixtures

The mixture has not been classified as an environmental hazard, in compliance with EC regulation 1272/2008.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.
Do not pour into waterways.

13.1. Waste treatment methods**Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

18 01 07 chemicals other than those mentioned in 18 01 06

For information :

The following waste code is given for indicative purposes only.

The waste code must be determined by the user, according to the application of the product.

18 = Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2. Chemical safety assessment**

Information from the chemical safety assessment of substances present in the product is included in the appropriate sections of this safety data sheet, whenever necessary.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture.

It is recommended that the information contained in this safety data sheet is provided to the users, if necessary in an appropriate form.

This information relates to the specifically designated product and may not be valid in combination with any another product. The product must not be used for applications other than those specified in heading 1 without having first obtained written handling instructions.

UPDATES SINCE PREVIOUS VERSION

- § 9

- § 11

- § 15

Wording of the phrases mentioned in section 3 :

H271	May cause fire or explosion; strong oxidiser.
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.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations :

ADR : European agreement concerning 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.

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