



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_ RECONSTITUE
Product code : 1081/A1000.

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

Cold disinfection of instruments and endoscopes
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 - HELLEMES.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.

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.

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	GHS07, GHS05, GHS03	B	2.5 \leq x % < 10
EC: 231-765-0	Dgr	[1]	
REACH: 01-2119485845-22	Ox. Liq. 1, H271		
HYDROGEN PEROXIDE SOLUTION ...	Acute Tox. 4, H302		
%	Skin Corr. 1A, H314		
	Acute Tox. 4, H332		
	STOT SE 3, H335		

Aquatic Chronic 3, H412

Information on ingredients :

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

CAS: 67-63-0 EC: 200-661-7	PROPAN-2-OL
CAS: 105-60-2 EC: 203-313-2	CAPROLACTAM-*
CAS: 79-21-0 EC: 201-186-8	PERACETIC ACID
CAS: 67-63-0 REACH: 01-2119457558-25 : GHS02, GHS07 Dgr Flam. Liq. 2 : H225 ; Eye Irrit. 2 : H319 ; STOT SE 3 : H336	[1]

CAS: 105-60-2 : GHS07 Acute Tox. 4 : H332 ; Acute Tox. 4 : H302 ; Eye Irrit. 2: H319; STOT SE 3 : H335; Skin Irrit. 2 : H315 [1].

CAS 79-21-0 : GHS02 GHS05 GHS07 GHS09 Dgr Flam. Liq. 3: H226 ; Self-react. D: H242 ; Acute Tox. 4: H332 ; Acute Tox. 4: H312 ; Acute Tox. 4: H302 ; Skin Corr. 1A: H314 ; Aquatic Acute 1: H400 [1].

x % < 1

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

Spray water to cool down surfaces exposed to fire and to protect the personnel.

In case of peripheral fire, there is a risk of decomposition with oxygen release which would favour combustion.

5.1. Extinguishing media**Suitable methods of extinction**

Water spray, foam, dry powder and carbon dioxide.

Unsuitable methods of extinction

Organic compounds.

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.

DO NOT use textiles, sawdust or combustible materials

Absorb any spilled product using absorbent materials and sweep away or remove with a shovel. Wash the contaminated surface thoroughly with water.

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 when the mixture ACTIVATOR/GENERATOR has been performed.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Water source nearby.

Ensure room is well ventilated.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature: from +5°C to +25°C.

Keep well away from combustible materials and reducing agents (amines), acids, bases, heavy metal compounds (accelerators, siccativ agents, metallic salts)

Keep away from heat

Keep out of the reach of children

Store away from light

Please refer to safety data sheets of products ACTIVATOR and GENERATOR for their own storage conditions before use.

Store on an acid-resistant floor.

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 :**

- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :

CAS	VME :	VME :	Excess	Notes
105-60-2	-	5 mg/m ³ E	2(I)	DFG, Y, 11
67-63-0	200 ml/m ³	500 mg/m ³	2(II)	DFG, Y

- European Union (2009/161/EU, 2006/15/EC, 2000/39/EC, 98/24/EC)

CAS	VME-mg/m ³ :	VME-ppm :	VLE-mg/m ³ :	VLE-ppm :	Notes :
105-60-2	10	-	40	-	-

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
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7722-84-1	1 ppm	-	-	-	-
105-60-2	1 mg/m3	3 mg/m3	-	-	-
67-63-0	400 ppm	500 ppm	-	-	-

- France (INRS - ED984 :2008) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
7722-84-1	1	1,5	-	-	-	-
105-60-2	-	10	-	40	-	-
67-63-0	-	-	400	980	-	84

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7722-84-1	1 ppm	-	-	-	-
105-60-2	10 mg/m3	40 mg/m3	-	-	-
67-63-0	400 ppm	500 ppm	-	-	-

- Poland (2009) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7722-84-1	1,5 mg/m3	4 mg/m3	-	-	-
105-60-2	5 mg/m3	15 mg/m3	-	-	-
67-63-0	900 mg/m3	1200 mg/m3	-	-	-

Czech Republic (Regulation No. 361/2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7722-84-1	1 mg/m3	2 mg/m3	-	-	-
105-60-2	1 mg/m3	3 mg/m3	-	-	-
67-63-0	500 mg/m3	1000 mg/m3	-	-	-

Slovakia (Regulation No. 300/2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7722-84-1		1,4 mg/m3	I.		
105-60-2		10 mg/m3		40 mg/m3	
67-63-0	200 ppm	500 mg/m3	II..1		

- Switzerland (SUVA 2009) :

CAS	VME-mg/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Temps :	RSB :
7722-84-1	0,71	0,5	0,71	0,5	15 min	-
79-21-0	-	-	-	-	-	-
105-60-2	5i	-	-	-	-	-
67-63-0	500	200	1000	400	4x15	B

- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7722-84-1	1 ppm	2 ppm	-	-	-

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.

Nitrile gloves are 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 (Threshold Limit Values)/TWA, wear suitable breathing apparatus.

Use Type B1P1 or B2P2 filters.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state :	Fluid liquid.
Odour:	Weak
Colour:	orange-yellow

Important health, safety and environmental information

pH :	Not relevant.
Boiling point/boiling range :	Not specified.
Flash point interval :	Not relevant.
Vapour pressure (50°C) :	Not relevant.
Density :	> 1
Water solubility :	Soluble.
Melting point/melting range :	Not specified.
Self-ignition temperature :	Not specified.
Decomposition point/decomposition range :	Not specified.

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY

Before use, wait at least for 30 minutes after activation (=mixing of the activator in the 5L can of generator).

To ensure the disinfectant efficacy, regularly check the peracetic acid rate with the provided ANIOXYDE 1000 control strips : check at the beginning of each session, or when restarting a session after discontinuation, and each 4 hours in case of continuous activity.

10.1. Reactivity

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

10.2. Chemical stability

This product is stable under the recommended handling conditions in section 7.

10.3. Possibility of hazardous reactions

Cf. § 10.1 and 10.2

10.4. Conditions to avoid

Avoid :

- frost

Decomposition by heat and light.

Avoid exposure to light and sun

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

10.5. Incompatible materials

Brass, copper, bronze, aluminium, iron, titane.

Powerful organic and inorganic oxidizing compounds.

10.6. Hazardous decomposition products

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

SECTION 11 : TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****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.

Risk of air embolism.

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 lacrimation.

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

The following waste code is given for indicative purposes only.

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

- Classification and labelling information included in section 2:

Regulation (EC) No. 1272/2008 and its amendments.

15.2. Chemical safety assessment

To be translated (XML)

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

- § 3
- § 13

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.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H242 Heating may cause a fire.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

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.