



SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

Name: STERANIOS 2%

Product code: 382000

Company/undertaking identification:

Registered company name: Laboratoires ANIOS.

Address: Pavé du Moulin.59260.LILLE - HELLEMMES.FRANCE.

Telephone: + 33 (0)3 20 67 67 67. Fax:+ 33 (0)3 20 67 67 68. Telex:.

e:mail : fds@anios.com

www.anios.com

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

Association/Organisation: INRS.

Use of the substance/preparation:

Cold disinfection of instruments and endoscopes

2 - HAZARDS IDENTIFICATION

This product is not classed as flammable. Refer to the recommendations regarding the other products present on the site

Possibility of serious lesions to the eyes.

The preparation causes sensitisation of the skin and respiratory organs. It also irritates the skin and prolonged contact may aggravate this effect.

Possibility of noxious effects with symptoms of slight poisoning by inhalation and swallowing.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 3: see section 16.

Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

This preparation contains no hazardous substance in this category.

Other substances representing a hazard:INDEX 605-022-00-X CAS 111-30-8 CE 203-856-5 GLUTARALDEHYDE | Concentration $\geq 0.00\%$ and $< 2.50\%$. Symbol: T N R: 34-50-42/43-23/25**Substances present at a concentration below the minimum danger threshold:**

No known substance in this category present.

Other substances with occupational exposure limits:

No known substance in this category present.

4 - FIRST AID MEASURES

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

NEVER induce swallowing in an unconscious person.

Reminder: any unconscious person must be placed in the lateral recovery position.

In the event of exposure by inhalation:

If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

Do not give the patient anything orally.

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.

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.

In the event of swallowing:

Rinse out the mouth, do not induce vomiting, keep the person calm and take him/her to a clinic or a doctor's. Show the doctor the label.

5 - FIRE-FIGHTING MEASURES

The product itself does not burn.

Suitable extinguishing media:

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

Special protective equipment for fire-fighters:

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

Full protective suit.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid inhaling the vapors.

Consult the safety measures listed under headings 7 and 8.

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.

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Methods for cleaning up:

In case of accidental dispersion do not pour any spilled product back into its original container with the intention of re-using it.

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.

7 - HANDLING AND STORAGE

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

Anyone with a history of asthma, allergies, chronic or periodic respiratory problems must on no account use these preparations

Anyone with a history of skin sensitisation must on no account handle such products

Handling:

Handle in well-ventilated areas.

Product for external use - do not swallow.

Avoid all contact with skin or eyes.

Fire prevention:

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

Avoid inhaling vapors.

Product must not come into contact with the eyes

Eye bath and water point nearby.

Storage:

Keep the container tightly closed in a dry place.

Keep away from food and drink, including those for animals.

Store between + 5 °C and + 35 °C in a dry, well ventilated place

Store ONLY in the original package.

Do not use after the expiry date mentioned on the packaging.

Keep out of the reach of children

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Anyone with a history of skin sensitisation, asthma, allergies, chronic or periodic respiratory problems must on no account use these preparations

Technical measures:

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

Exposure limit values per INRS ED 984:

Germany	Class:	MAK-ppm:	MAK-mg/m3:	Notes:	Notes:	
111-30-8	I	0.1	0.42	C.Sens		
France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
111-30-8	0.1	0.4	0.2	0.8	-	65.66
ACGIH(TLV)	TWA-ppm:	TWA-mg/m3:	STEL-ppm:	STEL-mg/m3:	Notes:	Notes:
111-30-8	0.05	-	-	-	-	P

Exposure limit values (2003-2006):

Switzerland	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Temps:	RSB:
111-30-8	0.21 mg/m3	0.05 ppm	0.42 mg/m3	0.1 ppm	4x15	S
Slovakia	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
111-30-8	0.1 ppm	0.42 mg/m3	I.			
UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
111-30-8	0.05 ppm	0.05 ppm	-	-	-	
Czech Rep.	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
111-30-8	-	0.8 mg/m3	-	-	-	
España	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
111-30-8	-	0.5 ppm	-	-	-	
Polska	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
111-30-8	0.4 mg/m3	0.6 mg/m3	-	-	-	
Belgique	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
111-30-8	0.2 ppm	-	-	-	-	
UK/MEL	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
111-30-8	0.05 ppm	0.05 ppm	-	-	-	

Respiratory protection:

With this preparation, avoid in particular any inhalation of vapors.

In case of insufficient ventilation, wear an appropriate breathing apparatus.

Use Type A1P1 or A2P2 filters.

Hand protection:

When handling this product, wear suitable gloves.

Butyl or nitrile gloves are recommended.

Do not use latex gloves.

Eye and face protection:

Avoid contact with eyes.

Wear safety goggles.

Provide eye washes in workshops where the product is constantly handled

Skin protection:

For further information, see § 11 of S.D.S. - Toxicological information.

Wear suitable protective clothing.

HEALTH MEASURES:

Do not eat, drink or smoke during use.

Wash hands each time after handling.

After each use, systematically wash all personal protective equipment.

9 - PHYSICAL AND CHEMICAL PROPERTIES**General information:**

Physical state:	fluid liquid
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Important health, safety and environmental information:

pH of the substance or preparation:	neutral.
When a pH measure is possible, it has a value of:	6.00
Boiling point/boiling range:	not specified.
Flash point interval:	not relevant.
vapour pressure:	not relevant.

Density:	> 1
water solubility:	Dilutable.

Other information:

melting point/melting range:	not specified.
Self-ignition temperature:	not specified.
Decomposition point/decomposition range :	not specified.

Limpid solution – green colour.

Density: 1.007 g/cc at 20°C.

Odour: typical of aldehydes

10 - STABILITY AND REACTIVITY

The preparation is stable at the handling and storage conditions recommended per § 7 of the safety data sheet,

Conditions to avoid:

Do not mix with other products.

Hazardous decomposition products:

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

11 - TOXICOLOGICAL INFORMATION

It is generally agreed that substances contained are likely to cause, among certain predisposed subjects, a sensitisation reaction in the event of inhalation and exposure to the skin.

In the event of exposure by inhalation:

Inhalation may lead to irritation of the respiratory tracts.

Sore throat, coughing, shortness of breath, respiratory failure

In the event of swallowing:

Ingestion may lead to irritation of the digestive system, abdominal pain, headaches and nausea.

In the event of splashes or contact with skin:

Assessment of skin tolerance in rabbits:

The preparation appears to be non irritant to skin.

In the event of splashes or contact with eyes:

Assessment of ocular tolerance in rabbits:

The preparation is EXTREMELY IRRITATING to eyes.

Other data:

Sensitization:

Repeated or prolonged exposure may lead to sensitization by inhalation (risk of asthma) and by skin contact (risk of eczema).

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

Bioaccumulative potential:

No expected bioaccumulation.

13 - DISPOSAL CONSIDERATIONS

Do not pour into waterways.

Do not pour large quantities of the product into the drains.

Waste:

Recycle or discard in accordance with the legislation in force, preferably by a collector or an approved company.

Do not contaminate the ground or the water with waste, do not discard waste into the environment.

Soiled packaging:

Completely empty the container. Keep the label(s) on the container.

Hand over to an approved disposal contractor.

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

20 01 29 * detergents containing dangerous substances

14 - TRANSPORT INFORMATION

Exempt from transport classification and labelling.

15 - REGULATORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations

In addition directive 2001/59/EC with the 28° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

This product is not classed as flammable.

Preparation classification:

Harmful.

Contains:

605-022-00-X GLUTARALDEHYDE

Particular hazards associated with the preparation and safety recommendations:

R 42/43	May cause sensitization by inhalation and skin contact.
R 37/38	Irritating to respiratory system and skin.
R 20/22	Harmful by inhalation and if swallowed.
R 41	Risk of serious damage to eyes.
S 23	Do not breathe gases or vapours.
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S 45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 38	In case of insufficient ventilation, wear suitable respiratory equipment.
S 9	Keep container in a well-ventilated place.
S 2	Keep out of the reach of children.

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.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

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 given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

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.

Full text of risk phrases appearing in section 3:

R 23/25	Toxic by inhalation and if swallowed.
R 34	Causes burns.
R 42/43	May cause sensitization by inhalation and skin contact.
R 50	Very toxic to aquatic organisms.