



SAFETY DATA SHEET

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

Identification of the substance or preparation:

Name: ANIOXY-FLASH P

Product code: 1532000

Company/undertaking identification:

Registered company name: Laboratoires ANIOS.

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

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

e:mail : fds@anios.com

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

Association/Organisation: INRS.

Use of the substance/preparation:

Disinfection of endoscopes.

To be used mixed with ANIOXY-FLASH A (direct dilution of the 2 products by the automaton).

2 - HAZARDS IDENTIFICATION

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

This product is classed: Oxidizing.

Possibility of corrosive effects.

Combustive preparation which may ignite or increase the risk of flammability when in contact with combustible materials.

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

Other data:

In water the solution is a strong acid, which reacts violently with bases and is corrosive.

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.

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)

INDEX 008-003-00-9 CAS 7722-84-1 CE 231-765-0 HYDROGEN PEROXIDE SOLUTION | Concentration >=10.00% and <25.00%. Symbol: C O R: 5-8-35-20/22

INDEX 607-094-00-8 CAS 79-21-0 CE 201-186-8 PERACETIC ACID | Concentration >=2.50% and <10.00%. Symbol: C N O R: 7-10-20/21/22-35-50

Other substances representing a hazard:

INDEX 607-002-00-6 CAS 64-19-7 CE 200-580-7 ACETIC ACID | Concentration >=10.00% and <25.00%. Symbol: C R: 10-35

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:

- Move the person away from the place of exposure and take him/her outside.
- In the event of respiratory problems (e.g. heavy coughing):
 - Put the person in a half-seated position, with the torso raised ; keep the person warm and calm.
 - Call a doctor immediately.

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.
- Take care not to introduce rinsing water in the undamaged eye.
- Additional treatment to be provided immediately in an eye clinic or by an ophthalmologist.
- Continue rinsing until medical advice is obtained.

In the event of splashes or contact with skin:

- If possible, wear rubber gloves when giving first aid.
- Remove all contaminated or stained clothing immediately. Do not use them again until they have been decontaminated.
- Rinse immediately and thoroughly with water.
- If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

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.
- Due to gas release and foam formation, risk of product penetration in lung (aspiration hazard) in case of ingestion or vomiting.

5 - FIRE-FIGHTING MEASURES

- Combustive preparation which may ignite or increase the risk of flammability when in contact with combustible materials.
- Move any flammable materials away from the fire.
- In case of a fire, if it is possible without risk, remove all containers exposed to the fire and store them in a safe place, away from any source of heat.
- 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.

Suitable extinguishing media:

- Water spray, foam, dry powder and carbon dioxide.

Extinguishing media which must not be used for safety reasons:

- Organic compounds.

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 any contact with the skin and eyes.
- Consult the safety measures listed under headings 7 and 8.
- Avoid inhaling the fumes.
- Keep away any unprotected person.
- Move all flammable sources out of danger and keep them away from the scene.

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
- DO NOT hermetically seal any defective containers, including drums (risk of bursting due to the decomposition of the product).

Methods for cleaning up:

- Neutralise with an alkaline decontaminant, such as an aqueous solution of sodium carbonate or similar
- If a large amount has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.
- Absorb any spilled product using 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.
- DO NOT use textiles, sawdust or combustible materials
- Do not collect the product for re-use.
- For small quantities, dilute the product with large quantities of water and rinse away.

7 - HANDLING AND STORAGE

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

Handling:

- Product for external use - do not swallow.
- Avoid all contact with skin, eyes and clothes.
- Do not breathe in the vapours, aerosols, spray mists.
- Close the container carefully after use.
- Do not hermetically seal the container.
- Risk of overpressure and bursting in the event of decomposition in closed containers and in pipes.

Fire prevention:

- Keep away from combustible material.
- Prevent access by unauthorised personnel.
- Keep away from sources of ignition - no smoking.
- Keep away from flammable materials

Recommended equipment and procedures:

- For personal safety, see §8.
- Observe precautions stated on label and also industrial safety regulations
- Product must not come into contact with the skin and eyes
- Provide safety showers and eye washes in workshops where the product is handled constantly
- Change any contaminated or wet work clothes immediately.
- Ensure room is well ventilated.

Prohibited equipment and procedures:

- Smoking, eating and drinking are prohibited in premises where the preparation is used
- Never open the packages under pressure

Storage:

- Keep away from food and drink, including those for animals.
- 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)
- Always transport and store the containers upright.
- Store on an acid-resistant floor.
- Recommended storage temperature: from +5°C to +25°C.
- Do not use after the expiry date mentioned on the packaging.
- Keep out of the reach of children

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Use personal protection equipment as per Directive 89/686/EEC.

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:

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
64-19-7	-	-	10	25	-	-
7722-84-1	1	1.5	-	-	-	-
Germany	Class:	MAK-ppm:	MAK-mg/m3:	Notes:	Notes:	
79-21-0	-	-	-	3		
64-19-7	I	10	25	-		
7722-84-1	I	1	1.4	-		
ACGIH(TLV)	TWA-ppm:	TWA-mg/m3:	STEL-ppm:	STEL-mg/m3:	Notes:	Notes:
64-19-7	10	25	15	37	-	S
7722-84-1	1	1.4	-	-	-	-

Exposure limit values (2003-2006):

Switzerland	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Temps:	RSB:
64-19-7	25 mg/m3	10 ppm	50 mg/m3	20 ppm	4x15	-
7722-84-1	1.4 mg/m3	1 ppm	1.4 mg/m3	1 ppm	15min	-
Slovakia	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
64-19-7	10 ppm	25 mg/m3	I.			
7722-84-1		1.4 mg/m3	I.			

UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:
7722-84-1	1 ppm	2 ppm	-	-	-
Czech Rep.	TWA:	STEL:	Ceiling:	Definition:	Criterion:
64-19-7	25 mg/m3	35 mg/m3	-	-	-
7722-84-1	1 mg/m3	2 mg/m3	-	-	-
España	TWA:	STEL:	Ceiling:	Definition:	Criterion:
64-19-7	10 ppm	15 ppm	-	-	-
7722-84-1	1 ppm	-	-	-	-
Polska	TWA:	STEL:	Ceiling:	Definition:	Criterion:
64-19-7	15 mg/m3	30 mg/m3	-	-	-
7722-84-1	1.5 mg/m3	4 mg/m3	-	-	-
Belgique	TWA:	STEL:	Ceiling:	Definition:	Criterion:
64-19-7	10 ppm	15 ppm	-	-	-
7722-84-1	1 ppm	-	-	-	-
UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:
64-19-7	10 ppm	15 ppm	-	-	-
7722-84-1	1 ppm	2 ppm	-	-	-

Respiratory protection:

Avoid product's inhalation

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

Use Type B1P1 or B2P2 filters.

Hand protection:

When handling this product, suitable gloves have to be worn.

Butyl or nitrile gloves are recommended.

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

Eye and face protection:

Avoid contact with the skin and eyes

Provide personnel with gloves, face masks and safety goggles.

Provide eye washes in workshops where the product is constantly handled

Skin protection:

Wear suitable protective clothing, in particular an apron and boots. These items must be kept in good condition and cleaned after use.

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

Change wet and dirty work clothes immediately.

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:	strongly acidic.
When a pH measure is possible, it has a value of:	not stated.
Boiling point/boiling range:	not specified.
vapour pressure:	not relevant.
Density:	> 1
Density:	+/- 1.11
water solubility:	Soluble.

Other information:

melting point/melting range:	not specified.
Self-ignition temperature:	not specified.
Decomposition point/decomposition range :	not specified.
Oxidizing substance	
Colour:	colourless
Odor:	weak, typical of acetic acid
Flash Point:	About 80°C

pH pure product: < 2.

Oxidizing agent.

10 - STABILITY AND REACTIVITY

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

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

Conditions to avoid:

Avoid exposure to heat

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

Materials to avoid:

Oxidisable substances

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).

Flammable products or materials: possible dangerous reaction (spontaneous combustion).

Organic solvents: possible dangerous reaction (risk of explosion).

Organic materials: wood, papers, greases...

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

In the event of exposure by inhalation:

Inhalation may lead to irritation of the respiratory tracts.

Sore throat, coughing, shortness of breath, respiratory failure

Possibility of formation of a toxic pulmonary oedema in the event of prolonged respiration of the product.

In the event of swallowing:

Symptoms are: burns to upper digestive and respiratory tracts, chest pain, blood vomiting, serious mucous membrane injuries and possibly perforation

Risk of air embolism.

In the event of splashes or contact with skin:

Severe skin irritation, burns, redness, dermatitis, necrosis of tissue.

In the event of splashes or contact with eyes:

Burns, characterized by discomfort or pain, excessive blinking, lacrimation and redness, swelling of the conjunctiva.

12 - ECOLOGICAL INFORMATION

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

Persistence and degradability:

This product is degradable in water - decomposition in acetic acid, water and oxygen.

Acetic acid is easily biodegradable.

Ecotoxicity:

The preparation is not classified as dangerous for the environment, in accordance with directive 99/45/EC

13 - DISPOSAL CONSIDERATIONS

Do not pour into waterways.

Avoid product release in large quantities (pure or diluted) into drains which are not connected to any waste water treatment plant.

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:

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) :

18 01 06 * chemicals consisting of or containing dangerous substances

14 - TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2005 - IMDG 2004 - ICAO/IATA 2005).

UN3149=HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE with acid(s), water and not more than 5% peroxyacetic acid, STABILIZED

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.
	5.1	OC1	II	5.1+8	58	LQ10	196-553



IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.			
	5.1	8	II	1 L	F-H,S-Q	196			
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	
	5.1	8	II	501	1 L	506	5 L	A96	
	5.1	8	II	Y501	0.5 L	-	-	-	

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 2004/73/EC with the 29° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

This product is not classed as flammable.

Preparation classification:



Corrosive.



Oxidizing.

Contains:

008-003-00-9 HYDROGEN PEROXIDE SOLUTION

607-002-00-6 ACETIC ACID

607-094-00-8 PERACETIC ACID

Particular hazards associated with the preparation and safety recommendations:

R 22	Harmful if swallowed.
R 34	Causes burns.
R 8	Contact with combustible material may cause fire.
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 14	Keep away from oxidizable substances
S 3/7	Keep container tightly closed in a cool place.
S 50	Do not mix with oxidizable products
S 20/21	When using do not eat, drink or smoke.
S 28	In case of contact with skin, wash immediately and thoroughly with water

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 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 10	Flammable.
R 20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R 20/22	Harmful by inhalation and if swallowed.
R 35	Causes severe burns.

R 5	Heating may cause an explosion.
R 50	Very toxic to aquatic organisms.
R 7	May cause fire.
R 8	Contact with combustible material may cause fire.