



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 : ASEPTANIOS AD
Product code : 2122000.

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

Airborne disinfection
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.

Skin irritation, Category 2 (Skin Irrit. 2, H315).
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 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.

Hazard pictograms :



GHS07

Signal Word :

WARNING

Hazard statements :

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements - General :

P102 Keep out of reach of children.

Precautionary statements - Prevention :

P220 Keep away from oxidisable substances.
P280 Wear protective gloves and eye protection/face protection.
P284 In case of intervention during atomisation or contact time as well as for recovery, wear suitable respiratory equipment.

Precautionary statements - Response :

P302 + P352 IF ON SKIN: Wash with plenty of water.
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 satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

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	%
INDEX: 607-002-00-6 CAS: 64-19-7 EC: 200-580-7 REACH: 01-2119475328-30	GHS02, GHS05 Dgr Flam. Liq. 3, H226 Skin Corr. 1A, H314	B [1]	2.5 <= x % < 10
ACETIC ACID CAS: 7722-84-1 EC: 231-765-0 REACH: 01-2119485845-22	GHS07, GHS05, GHS03 Dgr Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 Acute Tox. 4, H332 Aquatic Chronic 3, H412	B [1]	2.5 <= x % < 10
HYDROGEN PEROXIDE SOLUTION ... %			
CAS: 79-21-0 EC: 201-186-8 REACH: 01-2119531330-56-0006	GHS06, GHS05, GHS09, GHS02 Dgr Flam. Liq. 3, H226 Self-react. D, H242 Org. Perox. D, H242 Acute Tox. 3, H301 Acute Tox. 4, H312 Skin Corr. 1A, H314 Acute Tox. 4, H332 STOT SE 3, H335 Aquatic Acute 1, H400 M Acute = 1	[1]	0 <= x % < 2.5
PERACETIC ACID			

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

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.

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.

Risk of over-pressure and bursting in the event of decomposition in closed containers.

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.

Avoid all contact with skin or eyes.

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...)

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

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

6.4. Reference to other sections

Disposal considerations: see section 13.

SECTION 7 : HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid all contact with skin or eyes.

Handle in accordance with user instructions on label

Do not breathe in the aerosols and spray mists.

Do not hermetically seal the container.

Risk of overpressure and bursting in the event of decomposition in closed containers and in pipes.

Spray the product:

- not to be used in the presence of humans

- keep away from foodstuffs

Before spraying the product, the authorised user must:

-ensure all electrical appliances in the room are unplugged, and for use in Europe, are rated IP55 (minimum protection)

-check there are no hot surfaces or hot areas or naked flames in the room

-make sure all fuel (gas) and oxidant (oxygen) taps are turned off

-ensure no other chemical products are present, especially flammable or combustible or toxic products

-check there is no electrical equipment within a safety distance of 3.50 metres from the spray nozzle

Recommended equipment and procedures :

For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Avoid skin and eye contact with this mixture.
Water source nearby.
Ensure room is well ventilated after contact time.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

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 incompatible materials (see section 10)
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 :

- France (INRS - ED984 :2012) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
64-19-7	-	-	10	25	-	-
7722-84-1	1	1.5	-	-	-	-

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-19-7	10 ppm	15 ppm			
	25 mg/m3	38 mg/m3			
7722-84-1	1 ppm				
	1,4 mg/m3				

- Poland (2014) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-19-7	25 mg/m3	50 mg/m3			
7722-84-1	0,4 mg/m3	0,8 mg/m3			

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-19-7	10 ppm	15 ppm			
	25 mg/m3	37 mg/m3			
7722-84-1	1 ppm				
	1,4 mg/m3				

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-19-7	25 mg/m3	35 mg/m3		I	
7722-84-1	1 mg/m3	2 mg/m3		I	
79-21-0	0,6 mg/m3	1,2 mg/m3		I	

- Slovakia (Regulation No. 300/2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-19-7	10 ppm				
	25 mg/m3				
7722-84-1	1 ppm	1,4 mg/m3			

	1,4 mg/m3				
- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :					
CAS	VME :	VME :	Excess	Notes	
64-19-7		10 ppm 25 mg/m3		2(l)	
- Switzerland (SUVA 2015) :					
CAS	VME	VLE	Valeur plafond	Notations	
64-19-7	10 ppm 25 mg/m3	20 ppm 50 mg/m3		SSC	
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.

Before handling, wear safety goggles with protective sides accordance with standard EN166.

Prescription glasses are not considered as protection.

Water source nearby.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Butyl or nitrile gloves are recommended.

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

- Body protection

Avoid skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

For recovery after contact time, and in case of intervention during aerosolisation or during contact time, wear suitable breathing apparatus.

Use Type B1P1 or B2P2 filters.

Renew the air of the treated room before recovery.

Air out 9 times

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

Physical state :	Fluid liquid.
Odour:	weak, typical of acetic acid
Colour:	colourless

Important health, safety and environmental information

pH :	Not stated.
	Strongly acidic.
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

pH pure product:	< 3
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SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

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

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, 10.2 and 10.5

10.4. Conditions to avoid

Do not mix with other products.
Do not mix with chlorinated products.
Decomposition by heat and light.
Avoid exposure to light and sun
Avoid frost

10.5. Incompatible materials

Strong bases.
Chlorinated products.
Brass, copper, aluminium, iron, zinc
Decomposition catalysts, alkalis, reducing agents, iron, galvanized steels
Refer to the scientific folder*: product/material compatibility table
* available on request

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 digestive system, abdominal pain, headaches and nausea.

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

Risk of air embolism.

Skin corrosion/skin irritation :

The preparation, tested as such, appears to be irritating to skin.

Skin irritation: itching, light to moderate local redness, burning sensation...

Serious damage to eyes/eye irritation :

Ocular irritation: notably redness of the conjunctiva and lacrimation.

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

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

Acetic acid is easily biodegradable.

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.

The packages must not be reused.

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.

Give to a certified disposal contractor.

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

20 01 14 * acids

18 01 06 * chemicals consisting of or containing dangerous substances

For information :

The following waste codes are given as guidelines 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)

20 = Municipal wastes and similar commercial, industrial and institutional wastes including separately collected fractions

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

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:**

The following regulations have been used:

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

- Container information:

No data available.

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

- § 11

Wording of the phrases mentioned in section 3 :

H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H271	May cause fire or explosion; strong oxidiser.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
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.

GHS07 : Exclamation mark

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.