



## 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 : ANIOS ALCOOL ISOPROPYLIQUE 70% IP STERILE (AEROSOL)  
Product code : 316000A.

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

Quick disinfection of surfaces and equipment in Pharmaceutical Industry  
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.

Aerosol, Category 1 (Aerosol 1, H222 - H229).  
Eye irritation, Category 2 (Eye Irrit. 2, H319).  
Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H336).  
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

#### 2.2. Label elements

Mixture for aerosol application.

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

Hazard pictograms :



GHS07



GHS02

Signal Word :

DANGER

Product identifiers :

603-117-00-0

PROPAN-2-OL

Additional labeling :

Hazard statements :

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

Precautionary statements - General :

P102

Keep out of reach of children.

Precautionary statements - Prevention :

P210

Keep away from sparks and open flames. No smoking.

|                                       |  |
|---------------------------------------|--|
| P211                                  | Do not spray on an open flame or other ignition source.  |
| P251                                  | Do not pierce or burn, even after use.   |
| P261                                  | Avoid breathing spray.   |
| 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. |
| P312                                  | Call a POISON CENTER or doctor/physician if you feel unwell.   |
| Precautionary statements - Storage :  |  |
| P410 + P412                           | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.  |
| Precautionary statements - Disposal : |  |
| P501                                  | Dispose of 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>  
No other hazard identified in the current state of knowledge.

## SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Title for H, EUH and R indications: see § 16.

### 3.2. Mixtures

#### Composition :

| Identification          | (EC) 1272/2008     | Note | %                   |
|-------------------------|--------------------|------|---------------------|
| INDEX: 603-117-00-0     | GHS02, GHS07       | [1]  | 50 $\leq$ x % < 100 |
| CAS: 67-63-0            | Dgr                |      |                     |
| EC: 200-661-7           | Flam. Liq. 2, H225 |      |                     |
| REACH: 01-2119457558-25 | Eye Irrit. 2, H319 |      |                     |
| PROPAN-2-OL             | STOT SE 3, H336    |      |                     |

#### Information on ingredients :

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

#### Other data :

Propellant gas: Nitrogen

## 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.

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

### 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 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.

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 induce vomiting, keep the person calm and take him/her to a clinic or a doctor's. Show the container or label.

### 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

Flammable.

Move oxidising products away from the fire.

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.

### 5.1. Extinguishing media

#### Suitable methods of extinction

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Use powder or foam extinguishers.

Special foams for polar liquids, powders and carbon dioxide.

### 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

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

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.

Keep away any unprotected person.

Move all flammable sources out of danger and keep them away from the scene.

Eliminate any possible source of ignition and ventilate the premises.

Avoid all contact with skin or eyes.

### 6.2. Environmental precautions

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.

For small quantities, dilute the product with large quantities of water and rinse away.

### 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.

Handle in accordance with user instructions on label

Handle at a temperature not exceeding 45° C.

Handle in a well ventilated place (10 to 15 air changes per hour).

#### Fire prevention :

Do not spray on a naked flame or any incandescent material.

Do not pierce or burn, even after use.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Prevent access by unauthorised personnel.

Keep away from flammable materials

#### Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Do not breathe in aerosols.

Avoid eye contact with this mixture.

Water source nearby.

#### 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

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

Store away from incompatible materials (see section 10)

### 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  |
|---------|-----------------------|-----------------------|--------|--------|
| 67-63-0 | 200 ml/m <sup>3</sup> | 500 mg/m <sup>3</sup> | 2(II)  | DFG, Y |

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

| CAS     | TWA :   | STEL :  | Ceiling : | Definition : | Criteria : |
|---------|---------|---------|-----------|--------------|------------|
| 67-63-0 | 400 ppm | 500 ppm | -         | -            | -          |

- France (INRS - ED984 :2008) :

| CAS     | VME-ppm : | VME-mg/m <sup>3</sup> : | VLE-ppm : | VLE-mg/m <sup>3</sup> : | Notes : | TMP No : |
|---------|-----------|-------------------------|-----------|-------------------------|---------|----------|
| 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 : |
|---------|---------|---------|-----------|--------------|------------|
| 67-63-0 | 400 ppm | 500 ppm | -         | -            | -          |

- Poland (2009) :

| CAS     | TWA :                 | STEL :                 | Ceiling : | Definition : | Criteria : |
|---------|-----------------------|------------------------|-----------|--------------|------------|
| 67-63-0 | 900 mg/m <sup>3</sup> | 1200 mg/m <sup>3</sup> | -         | -            | -          |

Czech Republic (Regulation No. 361/2007) :

| CAS     | TWA :                 | STEL :                 | Ceiling : | Definition : | Criteria : |
|---------|-----------------------|------------------------|-----------|--------------|------------|
| 67-63-0 | 500 mg/m <sup>3</sup> | 1000 mg/m <sup>3</sup> | -         | -            | -          |

Slovakia (Regulation No. 300/2007) :

| CAS     | TWA :   | STEL :                | Ceiling : | Definition : | Criteria : |
|---------|---------|-----------------------|-----------|--------------|------------|
| 67-63-0 | 200 ppm | 500 mg/m <sup>3</sup> | II..1     |              |            |

- Switzerland (SUVA 2009) :

| CAS     | VME-mg/m <sup>3</sup> : | VME-ppm : | VLE-mg/m <sup>3</sup> : | VLE-ppm : | Temps : | RSB : |
|---------|-------------------------|-----------|-------------------------|-----------|---------|-------|
| 67-63-0 | 500                     | 200       | 1000                    | 400       | 4x15    | B     |

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

| CAS     | TWA :   | STEL :  | Ceiling : | Definition : | Criteria : |
|---------|---------|---------|-----------|--------------|------------|
| 67-63-0 | 400 ppm | 500 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.

#### - Eye / face protection

Avoid contact with eyes.

Water source nearby.

#### - Hand protection

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.

When handling this product, wear suitable gloves.

Due to the solvents present neoprene or nitrile type gloves are recommended.

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

#### - Body protection

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

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

Particularly breathing apparatus, A2P2 type

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

|                  |                    |
|------------------|--------------------|
| Physical state : | Fluid liquid.      |
|                  | Spray.             |
| Odour:           | typical of alcohol |

**Important health, safety and environmental information**

|   |                |
|---|----------------|
| pH :                                      | Not relevant.  |
| Boiling point/boiling range :             | Not specified. |
| Vapour pressure (50°C) :                  | Not relevant.  |
| Density :                                 | +/- 0.86       |
| Water solubility :                        | Soluble.       |
| Melting point/melting range :             | Not specified. |
| Self-ignition temperature :               | Not specified. |
| Decomposition point/decomposition range : | Not specified. |
| Chemical combustion heat :                | Not specified. |
| Inflammation time :                       | Not specified. |
| Deflagration density :                    | Not specified. |
| Inflammation distance :                   | Not specified. |
| Flame height :                            | Not specified. |
| Flame duration :                          | Not specified. |

**9.2. Other information**

No data available.

**SECTION 10 : STABILITY AND REACTIVITY****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**

Do not spray onto a flame or any other incandescent objects.

Avoid exposure to heat.

Keep away from sources of ignition - No smoking.

**10.5. Incompatible materials**

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.

Risk of drowsiness and dizziness.

**Skin corrosion/skin irritation :**

Possibility of itching with light to moderate local redness.

**Serious damage to eyes/eye irritation :**

Ocular irritation: notably 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.

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 29 \* detergents containing dangerous substances

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

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2015 - IMDG 2014 - ICAO/IATA 2015).

### 14.1. UN number

1950

### 14.2. UN proper shipping name

UN1950=AEROSOLS, flammable

### 14.3. Transport hazard class(es)

- Classification :



2.1

### 14.4. Packing group



**14.5. Environmental hazards****14.6. Special precautions for user**

| ADR/RID | Class | Code     | Pack gr. | Label    | Ident.   | LQ                           | Provis.            | EQ                | Cat. | Tunnel |
|---------|-------|----------|----------|----------|----------|------------------------------|--------------------|-------------------|------|--------|
|         | 2     | 5F       | -        | 2.1      | -        | 1 L                          | 190 327<br>344 625 | E0                | 2    | D      |
| IMDG    | Class | 2°Label  | Pack gr. | LQ       | EMS      | Provis.                      | EQ                 |                   |      |        |
|         | 2.1   | See SP63 | -        | SP277    | F-D,S-U  | 63 190<br>277 327<br>344 959 | E0                 |                   |      |        |
| IATA    | Class | 2°Label  | Pack gr. | Passager | Passager | Cargo                        | Cargo              | note              | EQ   |        |
|         | 2.1   | -        | -        | 203      | 75 kg    | 203                          | 150 kg             | A145 A167<br>A802 | E0   |        |
|         | 2.1   | -        | -        | Y203     | 30 kg G  | -                            | -                  | A145 A167<br>A802 | E0   |        |

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

**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:

**15.2. Chemical safety assessment**

No data available.

**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**

- Implementation of classification and labelling in compliance with EC regulation 1272/2008.

**Wording of the phrases mentioned in section 3 :**

|      |                                     |
|------|-------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H319 | Causes serious eye irritation.      |
| H336 | May cause drowsiness or dizziness.  |

**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.

GHS02 : Flame

GHS07 : Exclamation mark