



Date of compilation: 21/04/2021

Version: 1

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product identifier:** OD009-MB0210 - Espresso - AIRLESS COLOR®

**Other means of identification:**

Container : Airless bottle

Quantity: 5 mL / 0.17 fl.oz

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

Relevant uses: Makeup. For professional user only.

Permanent make-up for Dermopigmentation.

Uses advised against: All uses not specified in this section or in section 7.3

**1.3 Details of the supplier of the safety data sheet:**

SARL LABORATOIRES BIOTIC PHOCEA

Le Performance 16-18 boulevard Michelet

13008 Marseille - Bouches-du-Rhône - France

Phone.: +33 (0)4 91 53 54 00

contact@biotic.fr

https://biotic.fr/

**1.4 Emergency telephone number:** Belgique : + 32022649636  
България : + 359 2 9154 233  
Česká republika : + 420 224 919 293 ; + 420 224 915 402  
Danmark : + 45 8212 1212  
Deutschland : + 49-30-18412-0  
Eesti : 16662 (rahvuslik) ; (+372) 7943 794 (välismaalt)  
Ελλάδα : (0030) 2107793777  
España : + 34 91562 04 20  
France : + 33 (0)1 45 42 59 59  
Hrvatska : 01 2348 342  
Ireland : + 353 (1) 809 2166  
Ísland : 543 2222 eða 112 eða 543 1000  
Italia : + 390649906140  
Κύπρος : 1410  
Latvija : + 371 67042473  
Lietuva : + 370 (85) 2362052  
Luxembourg : (+352) 8002 5500  
Malta : + 356 2395 2000  
Nederland : + 31(0)30 274 8888  
Norge : 22 59 13 00  
Österreich : + 43 1 406 43 43  
Ουγγαρία : + 36-80-201-199  
Polska : + 48 42 2538 400  
Portugal : +351 800 250 250  
România : + 40213183606  
Slovenija : 112  
Slovensko : + 421 2 5477 4166  
Suomi : 0800 147 111 tai 09 471 977  
Sverige : 112  
United Kingdom : +44 121 507 4123

## SECTION 2: HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture:**

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

**CLP Regulation (EC) No 1272/2008:**

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Carc. 2: Carcinogenicity, Category 2, H351

Flam. Liq. 2: Flammable liquids, Category 2, H225

**2.2 Label elements:**

- CONTINUED ON NEXT PAGE -



Date of compilation: 21/04/2021 Version: 1

**SECTION 2: HAZARDS IDENTIFICATION (continued)**

**CLP Regulation (EC) No 1272/2008:**

Danger



**Hazard statements:**

Carc. 2: H351 - Suspected of causing cancer (Inhalation).  
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

**Precautionary statements:**

P201: Obtain special instructions before use.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233: Keep container tightly closed.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P308+P313: IF exposed or concerned: Get medical advice/attention.  
P370+P378: In case of fire: Use ABC powder extinguisher to extinguish.  
P403+P235: Store in a well-ventilated place. Keep cool.  
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

**Supplementary information:**

EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

**Substances that contribute to the classification**

Titanium dioxide (aerodynamic diameter ≤ 10 µm)

UFI: 1U00-Q0MQ-5008-SDH0

**2.3 Other hazards:**

Product fails to meet PBT/vPvB criteria

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substance:**

Non-applicable

**3.2 Mixture:**

**Chemical description:** Mixture of substances

**Components:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification  | Chemical name/Classification   |  | Concentration |
|---|--|--|---------------|
| CAS: 67-63-0<br>EC: 200-661-7<br>Index: 603-117-00-0<br>REACH: 01-2119457558-25-XXXX      | <b>propan-2-ol<sup>(1)</sup></b> ATP CLP00   |  | 6,5 - <10 %   |
|   | Regulation 1272/2008   | Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger |               |
| CAS: 13463-67-7<br>EC: 236-675-5<br>Index: Non-applicable<br>REACH: 01-2119489379-17-XXXX | <b>Titanium dioxide (aerodynamic diameter ≤ 10 µm)<sup>(1)</sup></b> Self-classified |  | <6,5 %        |
|   | Regulation 1272/2008   | Carc. 2: H351 - Warning  |               |

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**



#### SECTION 4: FIRST AID MEASURES (continued)

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

**By skin contact:**

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

**By eye contact:**

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

**By ingestion/aspiration:**

In case of consumption, seek immediate medical assistance showing the SDS for the product.

**4.2 Most important symptoms and effects, both acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of any immediate medical attention and special treatment needed:**

Non-applicable

#### SECTION 5: FIREFIGHTING MEASURES

**5.1 Extinguishing media:**

**Suitable extinguishing media:**

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO<sub>2</sub>).

**Unsuitable extinguishing media:**

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

**5.2 Special hazards arising from the substance or mixture:**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**6.2 Environmental precautions:**

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

**6.3 Methods and material for containment and cleaning up:**

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.



Date of compilation: 21/04/2021 Version: 1

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling:**

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

**7.2 Conditions for safe storage, including any incompatibilities:**

A.- Technical measures for storage

Minimum Temp.: 5 °C

Maximum Temp.: 30 °C

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no occupational exposure limits for the substances contained in the product

**DNEL (Workers):**

| Identification                               |            | Short exposure |                | Long exposure  |                |
|--|------------|----------------|----------------|----------------|----------------|
|  |            | Systemic       | Local          | Systemic       | Local          |
| propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7 | Oral       | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
|  | Dermal     | Non-applicable | Non-applicable | 888 mg/kg      | Non-applicable |
|  | Inhalation | Non-applicable | Non-applicable | 500 mg/m³      | Non-applicable |

**DNEL (General population):**

| Identification                               |            | Short exposure |                | Long exposure |                |
|--|------------|----------------|----------------|---------------|----------------|
|  |            | Systemic       | Local          | Systemic      | Local          |
| propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7 | Oral       | Non-applicable | Non-applicable | 26 mg/kg      | Non-applicable |
|  | Dermal     | Non-applicable | Non-applicable | 319 mg/kg     | Non-applicable |
|  | Inhalation | Non-applicable | Non-applicable | 89 mg/m³      | Non-applicable |

**PNEC:**

| Identification                               |              |            |                         |            |  |
|--|--------------|------------|-------------------------|------------|--|
| propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7 | STP          | 2251 mg/L  | Fresh water             | 140,9 mg/L |  |
|  | Soil         | 28 mg/kg   | Marine water            | 140,9 mg/L |  |
|  | Intermittent | 140,9 mg/L | Sediment (Fresh water)  | 552 mg/kg  |  |
|  | Oral         | 0,16 g/kg  | Sediment (Marine water) | 552 mg/kg  |  |

**8.2 Exposure controls:**

- CONTINUED ON NEXT PAGE -



Date of compilation: 21/04/2021



Version: 1

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

**A.- General security and hygiene measures in the work place**

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.



**B.- Respiratory protection**

| Pictogram   | PPE                               | Labelling   | CEN Standard        | Remarks  |
|---|-----------------------------------|---|---------------------|--|
| <br>Mandatory respiratory tract protection | Filter mask for gases and vapours |  | EN 405:2002+A1:2010 | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. |





**C.- Specific protection for the hands**

Non-applicable



**D.- Ocular and facial protection**

| Pictogram   | PPE         | Labelling  | CEN Standard  | Remarks   |
|---|-------------|--|---|---|
| <br>Mandatory face protection | Face shield |  | EN 166:2002<br>EN 167:2002<br>EN 168:2002<br>EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |

**E.- Body protection**

| Pictogram   | PPE   | Labelling   | CEN Standard  | Remarks   |
|---|---|---|---|---|
| <br>Mandatory complete body protection | Disposable clothing for protection against chemical risks, with antistatic and fireproof properties |  | EN 1149-1,2,3<br>EN 13034:2005+A1:2009<br>EN ISO 13982-1:2004/A1:2010<br>EN ISO 6529:2013<br>EN ISO 6530:2005<br>EN ISO 13688:2013<br>EN 464:1994 | For professional use only. Clean periodically according to the manufacturer's instructions. |
| <br>Mandatory foot protection          | Safety footwear for protection against chemical risk, with antistatic and heat resistant properties |  | EN ISO 13287:2013<br>EN ISO 20345:2011<br>EN 13832-1:2019   | Replace boots at any sign of deterioration.   |

**F.- Additional emergency measures**

| Emergency measure   | Standards                                       | Emergency measure  | Standards                                      |
|---|---|--|--|
| <br>Emergency shower | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 | <br>Eyewash stations | DIN 12 899<br>ISO 3864-1:2011, ISO 3864-4:2011 |

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

|                           |                                       |
|---------------------------|---------------------------------------|
| V.O.C. (Supply):          | 7 % weight                            |
| V.O.C. density at 20 °C:  | 101,96 kg/m <sup>3</sup> (101,96 g/L) |
| Average carbon number:    | 3                                     |
| Average molecular weight: | 60,1 g/mol                            |

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

\*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -



Date of compilation: 21/04/2021

Version: 1

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

Physical state at 20 °C: Liquid  
 Appearance: Dispersion  
 Colour:  Brown  
 Odour: Alcohol  
 Odour threshold: Non-applicable \*

**Volatility:**

Boiling point at atmospheric pressure: 175 °C  
 Vapour pressure at 20 °C: 885 Pa  
 Vapour pressure at 50 °C: 4458,98 Pa (4,46 kPa)  
 Evaporation rate at 20 °C: Non-applicable \*

**Product description:**

Density at 20 °C: 1456,5 kg/m<sup>3</sup>  
 Relative density at 20 °C: 1,457  
 Dynamic viscosity at 20 °C: Non-applicable \*  
 Kinematic viscosity at 20 °C: Non-applicable \*  
 Kinematic viscosity at 40 °C: Non-applicable \*  
 Concentration: Non-applicable \*  
 pH: 7,41 (at 10 %)  
 Vapour density at 20 °C: Non-applicable \*  
 Partition coefficient n-octanol/water 20 °C: Non-applicable \*  
 Solubility in water at 20 °C:  
 Solubility properties: Dispersible  
 Decomposition temperature: Non-applicable \*  
 Melting point/freezing point: Non-applicable \*  
 Explosive properties: Non-applicable \*  
 Oxidising properties: Non-applicable \*

**Flammability:**

Flash Point: 12 °C  
 Heat of combustion: Non-applicable \*  
 Flammability (solid, gas): Non-applicable \*  
 Autoignition temperature: 342 °C  
 Lower flammability limit: Not available  
 Upper flammability limit: Not available

**Explosive:**

Lower explosive limit: Non-applicable \*  
 Upper explosive limit: Non-applicable \*

**9.2 Other information:**

Surface tension at 20 °C: Non-applicable \*  
 Refraction index: Non-applicable \*

\*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -



Date of compilation: 21/04/2021      Version: 1

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

**10.2 Chemical stability:**

Chemically stable under the conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight            | Humidity       |
|--------------------|------------------|-------------------------|---------------------|----------------|
| Not applicable     | Not applicable   | Risk of combustion      | Avoid direct impact | Not applicable |

**10.5 Incompatible materials:**

| Acids              | Water          | Oxidising materials | Combustible materials | Others                        |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable        | Avoid alkalis or strong bases |

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2. IARC: Diiron trioxide (3); propan-2-ol (3); Polyvinylpyrrolidone (3); Polyvinylpyrrolidone (3); Titanium dioxide (aerodynamic diameter ≤ 10 µm) (2B)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

E- Sensitizing effects:

- CONTINUED ON NEXT PAGE -



Date of compilation: 21/04/2021 Version: 1

**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
- Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

**F- Specific target organ toxicity (STOT) - single exposure:**

Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.

**G- Specific target organ toxicity (STOT)-repeated exposure:**

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

**H- Aspiration hazard:**

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

**Other information:**

CAS 13463-67-7 Titanium dioxide (aerodynamic diameter ≤ 10 µm): The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm

**Specific toxicology information on the substances:**

| Identification  | Acute toxicity  |                 | Genus  |
|---|-----------------|-----------------|--------|
|   | LD50 oral       | LD50 dermal     |        |
| propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7  | LD50 oral       | 5280 mg/kg      | Rat    |
|   | LD50 dermal     | 12800 mg/kg     | Rat    |
|   | LC50 inhalation | 72,6 mg/L (4 h) | Rat    |
| Titanium dioxide (aerodynamic diameter ≤ 10 µm)<br>CAS: 13463-67-7<br>EC: 236-675-5 | LD50 oral       | 10000 mg/kg     | Rat    |
|   | LD50 dermal     | 10000 mg/kg     | Rabbit |
|   | LC50 inhalation | Non-applicable  |        |

**SECTION 12: ECOLOGICAL INFORMATION**

The experimental information related to the eco-toxicological properties of the product itself is not available

**12.1 Toxicity:**

| Identification                               | Acute toxicity |                   | Species                 | Genus      |
|--|----------------|-------------------|-------------------------|------------|
|  | LC50           | EC50              |                         |            |
| propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7 | LC50           | 9640 mg/L (96 h)  | Pimephales promelas     | Fish       |
|  | EC50           | 13299 mg/L (48 h) | Daphnia magna           | Crustacean |
|  | EC50           | 1000 mg/L (72 h)  | Scenedesmus subspicatus | Algae      |

**12.2 Persistence and degradability:**

| Identification                               | Degradability |             | Biodegradability |          |
|--|---------------|-------------|------------------|----------|
|  | BOD5          | COD         | Concentration    | Period   |
| propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7 | BOD5          | 1,19 g O2/g | Concentration    | 100 mg/L |
|  | COD           | 2,23 g O2/g | Period           | 14 days  |
|  | BOD5/COD      | 0,53        | % Biodegradable  | 86 %     |

**12.3 Bioaccumulative potential:**

| Identification                               | Bioaccumulation potential |         |
|--|---------------------------|---------|
|  | BCF                       | Pow Log |
| propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7 | BCF                       | 3       |
|  | Pow Log                   | 0.05    |
|  | Potential                 | Low     |

**12.4 Mobility in soil:**

| Identification                               | Absorption/desorption |                     | Volatility |                    |
|--|-----------------------|---------------------|------------|--------------------|
|  | Koc                   | Conclusion          | Henry      | Dry soil           |
| propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7 | Koc                   | 1,5                 | Henry      | 8,207E-1 Pa·m³/mol |
|  | Conclusion            | Very High           | Dry soil   | Yes                |
|  | Surface tension       | 2,24E-2 N/m (25 °C) | Moist soil | Yes                |

- CONTINUED ON NEXT PAGE -





Date of compilation: 21/04/2021      Version: 1

**SECTION 12: ECOLOGICAL INFORMATION (continued)**

**12.5 Results of PBT and vPvB assessment:**

Product fails to meet PBT/vPvB criteria

**12.6 Other adverse effects:**

Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods:**

| Code | Description   | Waste class (Regulation (EU) No 1357/2014) |
|------|---|--|
|      | It is not possible to assign a specific code, as it depends on the intended use by the user | Dangerous                                  |

**Type of waste (Regulation (EU) No 1357/2014):**

HP3 Flammable

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

**SECTION 14: TRANSPORT INFORMATION**

**Transport of dangerous goods by land:**

With regard to ADR 2021 and RID 2021:



- 14.1 UN number:** UN1993
- 14.2 UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (propan-2-ol)
- 14.3 Transport hazard class(es):** 3
- Labels:** 3
- 14.4 Packing group:** II
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**
  - Special regulations:** 274, 601, 640D
  - Tunnel restriction code:** D/E
  - Physico-Chemical properties:** see section 9
  - Limited quantities:** 1 L
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**Transport of dangerous goods by sea:**

With regard to IMDG 39-18:

- CONTINUED ON NEXT PAGE -



Date of compilation: 21/04/2021

Version: 1

**SECTION 14: TRANSPORT INFORMATION (continued)**



- 14.1 UN number:** UN1993
- 14.2 UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (propan-2-ol)
- 14.3 Transport hazard class(es):** 3  
Labels: 3
- 14.4 Packing group:** II
- 14.5 Marine pollutant:** No
- 14.6 Special precautions for user**  
Special regulations: 274  
EmS Codes: F-E, S-E  
Physico-Chemical properties: see section 9  
Limited quantities: 1 L  
Segregation group: Non-applicable
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2021:



- 14.1 UN number:** UN1993
- 14.2 UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (propan-2-ol)
- 14.3 Transport hazard class(es):** 3  
Labels: 3
- 14.4 Packing group:** II
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**  
Physico-Chemical properties: see section 9
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

**Seveso III:**

| Section | Description       | Lower-tier requirements | Upper-tier requirements |
|---------|-------------------|-------------------------|-------------------------|
| P5c     | FLAMMABLE LIQUIDS | 5000                    | 50000                   |

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

- CONTINUED ON NEXT PAGE -



Date of compilation: 21/04/2021

Version: 1

## SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:

- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- “whoopee” cushions,
- silly string aerosols,
- imitation excrement,
- horns for parties,
- decorative flakes and foams,
- artificial cobwebs,
- stink bombs.

Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:

‘For professional users only’.

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

### Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

### Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

### Other information:

Resolution ResAP(2008)1 on safety requirements and criteria for tattoos and permanent make-up (replacing Resolution ResAP(2003)2 on tattoos and permanent make-up).

## 15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

## SECTION 16: OTHER INFORMATION

### Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830).

### Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

### Texts of the legislative phrases mentioned in section 2:

H351: Suspected of causing cancer (Inhalation).

H225: Highly flammable liquid and vapour.

### Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

### CLP Regulation (EC) No 1272/2008:

Carc. 2: H351 - Suspected of causing cancer (Inhalation).

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

STOT SE 3: H336 - May cause drowsiness or dizziness.

### Classification procedure:

Carc. 2: Calculation method

Flam. Liq. 2: Calculation method (2.6.4.3)

### Advice related to training:

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

### Principal bibliographical sources:

- CONTINUED ON NEXT PAGE -



Date of compilation: 21/04/2021

Version: 1

**SECTION 16: OTHER INFORMATION (continued)**

<http://echa.europa.eu>  
<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient

Koc: Partition coefficient of organic carbon

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -