

according to COMMISSION REGULATION (EU) 2020/878

Issue Date. Sept. 2025



## **Anhydrous Citric Acid**

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY

1.1 Product identifier: Anhydrous Citric Acid

Citric acid

CAS: 77-92-9 EC: 201-069-1 Index: 607-750-00-3

REACH: 01-2119457026-42-XXXX

#### Other means of identification:

Not relevant

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

Relevant uses: Any use not specified in this section nor in section 7.3 Uses advised against: Any use not specified in this section nor in section 7.3

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

PLANTAWA SI

C. Alcalde Clemente García, Parcela 20-5, Polígono Industrial Oeste

30169 San Ginés - Murcia - Spain

Phone: 968 12 41 07 info@plantawa.com

#### 1.4 Emergency telephone number:

# SECTION 2: HAZARD IDENTIFICATION

## 2.1 Classification of the substance or mixture:

## Regulation No. 01272/2008 (CLP):

The classification of this product has been carried out in accordance with Regulation No. 01272/2008 (CLP).

Eye Irrit. 2: Eye irritation, category 2, H319

STOT SE 3: Specific target organ toxicity — Single exposure, category 3, respiratory tract irritation, H335

## 2.2 Label elements:

## Regulation No. 01272/2008 (CLP):

Warning



#### **Hazard statements:**

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

STOT SE 3: H335 - May cause respiratory irritation.

## **Precautionary statements:**

P261: Avoid breathing dust.

P264: Wash thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/respiratory protection/protective goggles/protective footwear.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P501: Dispose of contents/container in accordance with regulations on hazardous waste or containers and packaging waste respectively.

#### 2.3 Other hazards:

The product does not meet PBT/vPvB criteria.

The product does not meet the criteria for endocrine-disrupting properties.



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

#### 3.1 Substance

#### **Chemical description:**

According to Annex II of Regulation (EC) No. 1907/2006 (point 3), the product contains:

	Identification	Chemical	Chemical name/classification		
CAS: EC:	77-92-9 201-069-1	Citric acid	ATP ATP17		
Index: REACH:	607-750-00-3 01-2119457026-42-XXXX	Regulation 1272/2008	Eye Irrit. 2: H319; STOT SE 3: H335 – Warning	100%	

For further information about the hazards of the substances, see sections 11, 12, and 16.

#### 3.2 Mixtures

Not relevant.

## **SECTION 4: FIRST AID MEASURES**

#### 4.1 Description of first aid measures

Symptoms resulting from poisoning may appear after exposure; therefore, in case of doubt, direct exposure to the chemical product, or persistence of discomfort, seek medical attention and show the Safety Data Sheet (SDS) for this product.

#### Inhalation:

Remove the affected person from the exposure area, provide fresh air, and keep them at rest. In severe cases, such as cardiorespiratory arrest, apply artificial respiration techniques (mouth-to-mouth resuscitation, cardiac massage, oxygen supply, etc.), requiring immediate medical assistance.

#### Skin contact:

If contact occurs, it is recommended to clean the affected area with running water and neutral soap. In case of skin alterations (scarring, redness, rashes, blisters, etc.), seek medical advice with this Safety Data Sheet.

#### Eye contact:

Rinse eyes with plenty of water at room temperature for at least 15 minutes. Prevent the affected person from rubbing or closing their eyes. If the injured person is wearing contact lenses, they should be removed carefully if they are not adhered to the eyes, as otherwise they could cause additional injury. In all cases, after rinsing, medical attention should be sought as soon as possible, using the SDS of the product.

#### Ingestion/aspiration:

In case of ingestion, seek immediate medical assistance and show the SDS for this product.

## 4.2 Most important symptoms and effects, both acute and delayed

The acute and delayed effects are those indicated in Sections 2 and 11.

## 4.3 Indication of any immediate medical attention and special treatment needed

Not relevant.

# SECTION 5: FIRE-FIGHTING MEASURES

## 5.1 Extinguishing media

#### Suitable extinguishing media:

Non-flammable product under normal conditions of storage, handling, and use. In case of ignition as a consequence of improper handling, storage, or use, preferably use multipurpose powder extinguishers (ABC powder), in accordance with the Fire Protection Systems Regulation (R.D. 513/2017 and subsequent amendments).

## Unsuitable extinguishing media:

Not relevant.

## 5.2 Special hazards arising from the substance or mixture

As a consequence of combustion or thermal decomposition, reaction by-products may be generated that can be highly toxic and, consequently, may pose a significant health risk.

## 5.3 Advice for firefighters

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## **SECTION 5: FIRE-FIGHTING MEASURES**

#### 5.1 Extinguishing media

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Non-flammable product under normal conditions of storage, handling, and use. In case of ignition as a consequence of improper handling, storage, or use, preferably use multipurpose powder extinguishers (ABC powder), in accordance with the Fire Protection Systems Regulation (R.D. 513/2017 and subsequent amendments).

#### Unsuitable extinguishing media:

Not relevant.

## Special hazards arising from the substance or mixture

As a consequence of combustion or thermal decomposition, reaction by-products may be generated that can be highly toxic and, consequently, may pose a significant health risk.

Advice for firefighters

## SECTION 6: MEASURES IN CASE OF ACCIDENTAL SPILL

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

#### For personnel not part of emergency services:

Sweep up and collect the product with shovels or other tools and place it in a container for its reuse (preferably) or disposal.

#### For emergency response personnel:

Wear appropriate protective equipment. Keep unequipped people away. See section 7.

## 6.2 Environmental precautions:

This product is not classified as dangerous for the environment. Avoid allowing the product to reach sewage systems, watercourses, basements, or underground areas.

6.3

#### Methods and materials for containment and cleaning up:

It is recommended to:

Sweep up and collect the product with shovels or other tools and place it in a container for reuse (preferably) or disposal.

6.4

## References to other sections:

See sections 8 and 13.

#### SECTION 5: MEASURES TO AVOID FIRE

## 7.1 Precautions for safe handling:

A.- General precautions

Comply with current legislation regarding the prevention of occupational hazards. Keep containers hermetically sealed. Control spills and residues, eliminating them via safe methods (section 6). Avoid free fall when emptying the container. Maintain order and cleanliness where hazardous materials are handled.

B.- Technical recommendations to prevent fires and explosions:

Due to its flammability characteristics, the product does not present a fire risk under normal handling and usage conditions.

C.- Recommendations to prevent ergonomic and toxicological risks:

Consult section 8. Do not eat, drink, or smoke in work areas; wash hands before breaks and after finishing work; remove contaminated clothing; and wear protective clothing and respiratory protection before entering contaminated areas.

D.- Technical recommendations to prevent environmental risks:

Handle spills and residues according to the product's proximity (see figure 6.3).

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

A.- Specific storage conditions

ITC (R.D. 656/2017): Not relevant
 Classification: Not relevant
 Minimum temperature: 5 °C
 Maximum temperature: 30 °C
 Maximum storage time: 6 months

B.- General storage conditions.

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

#### 7.3 Specific end uses:

Except for the indications already specified, it is not necessary to make any special recommendation regarding the uses of this product.



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## SECTION 8: EXPOSURE CONTROLS / INDIVIDUAL PROTECTION

#### 8.1 Control parameters:

Substances whose occupational exposure limit values must be controlled in the work environment: Particles not otherwise specified: Inhalable fraction VLA-ED= 10 mg/m³ // Respirable fraction VLA-ED= 3 mg/m³

#### DNEL (Workers):

Not relevant

#### **DNEL (Population):**

Not relevant

#### PNEC:

Identification				
Acetic acid	STP	1000 mg/L	Water (fresh)	0.44 mg/L
CAS: 77-92-9	Soil	33.1 mg/kg	Saltwater	0.44 mg/L
EC: 201-069-1	Intermittent	Not relevant	Sediment (freshwater)	34.6 mg/kg
EC. 201-005-1	Oral	Not relevant	Sediment (saltwater)	3.46 mg/kg

#### 8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventive measure it is recommended to use basic personal protective equipment, with the corresponding CE marking in accordance with Regulation (EU) 2016/425 and subsequent amendments. For more information about personal protective equipment (storage, use, cleaning, maintenance, protective class, ...) consult the informative leaflet provided by the PPE manufacturer. The indications contained in this section refer specifically to the product at hand. The recommended protection measures for the diluted product may vary depending on its degree of dilution, method of application, etc. Also take into account the obligation to install emergency showers and/or wash stations in workplaces according to current regulations regarding the storage of chemical products applicable in each case. For more information see sections 7.1 and 7.2.

All the information included is a recommendation being necessary its specification by the company's occupational risk prevention services or by the complementary measures the company may have available or if they have not been included in the risk assessment.

## B.- Respiratory protection.

Pictogram	PPE	Marking	CEN Standards	Observations
Protection mandatory of respiratory tract	Self-filtering mask for particles and vapors (Filter type: P2/FFP2)	Cat III	EN 405:2002+A1:2010	Replace when any odor or taste is detected inside the mask or adapter. When contamination of the face occurs new protective measures must be taken.

#### C.- Specific hand protection.

Pictogram	PPE	Marking	CEN Standards	Observations
Protection mandatory of hands	Protective gloves against minor risks	Cati		Replace gloves before any sign of deterioration. For periods of prolonged exposure to the diluted product, consult the supplier about the glove's usability.

D.- Eye and facial protection



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## SECTION 8: EXPOSURE CONTROLS / INDIVIDUAL PROTECTION

Pictogram	PPE	Marking	CEN Standards	Observations
Protection mandatory for the face	Panoramic safety goggles against splashes and/or projections	Cat II	EN 166:2002, EN ISO 4007:2018	Clean daily and periodically disinfect according to the manufacturer's instructions. Use is recommended in cases of splash risk.

#### E.- Body Protection

Pictogram	Norm	Marking	CEN Standards	Observations
	Work clothing	Cati		Replace before any sign of deterioration. In situations of prolonged exposure to risks due to industrial processes/professionals, consider using CAT III footwear according to EN ISO 20345:2022 and EN 13832-1:2019.
	Antislip safety footwear	Cat II	EN ISO 20347:2022	Replace before any sign of deterioration. In situations of prolonged exposure to risks due to industrial processes/professionals, consider using CAT III footwear according to EN ISO 20345:2022 and EN 13832-1:2019.

#### F.- Additional Emergency Measures

It is recommended to implement additional emergency equipment in workplaces that are particularly exposed to the product, or in situations where risk assessments indicate the need for such equipment.

Emergency Measure	Norm	Emergency Measure	Norm
Emergency shower	ANSI Z358.1, ISO 3864-1:2011, ISO 3864-4:2011	Eye wash stations	DIN 12 899, ISO 3864-1:2011, ISO 3864-4:2011

#### **Environmental Exposure Controls**

By virtue of EU environmental protection legislation, it is recommended to avoid discharge of both the product and its packaging into the environment. For additional information see section 7.1.D.

# Volatile Organic Compounds (VOC)

In accordance with R.D. 117/2003 and subsequent amendments (Directive 2010/75/EU), this product presents the following characteristics:

V.O.C. (Supply): 0 % by weight
 VOC concentration at 20 °C: 0 kg/m³ (0 g/L)
 Number of carbon atoms: Not relevant
 Average molecular weight: Not relevant

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

## Information on basic physical and chemical properties

To complete the information, refer to the product's technical data sheet/specifications.

## **Physical Appearance:**

State at 20 °C: Solid
 Appearance: Not relevant \*
 Color: Not relevant \*
 Odor: Not relevant \*
 Odor threshold: Not relevant \*

#### Volatility:

Boiling temperature at atmospheric pressure: Not relevant \*
 Vapor pressure at 20 °C: Not relevant \*
 Vapor pressure at 50 °C: Not relevant \*
 Evaporation rate at 20 °C: Not relevant \*

\*Not relevant due to the nature of the product, which does not provide information characteristic of its hazard classification.



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Not relevant \*

153 °C

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

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Decomposition temperature:

Melting point/freezing point:

1660 kg/m<sup>3</sup> Density at 20 °C: 1.66 Relative density at 20 °C: 1.66 Not relevant \* Dynamic viscosity at 20 °C: Not relevant \* Kinematic viscosity at 20 °C: Not relevant \* Kinematic viscosity at 40 °C: Not relevant \* Concentration: Not relevant \* Vapor density at 20 °C: Not relevant \* n-octanol/water partition coefficient at 20 °C: Not relevant \* Not relevant \* Water solubility at 20 °C: Not relevant \* Solubility property:

## Flammability:

Flash point:

Flammability (solid, gas):

Auto-ignition temperature:

Lower flammability limit:

Upper flammability limit:

188°C

Not relevant\*

1010°C

1.8% volume

4.8% volume

#### **Explosivity (Solid):**

Lower explosive limit: Not relevant\*
Upper explosive limit: Not relevant\*

#### **Particle Characteristics:**

Equivalent diameter: Not relevant\*

# 9.2 Other Data:

## Information regarding physical hazard classes:

Explosive properties:

Oxidising properties:

Corrosivity to metals:

Heat of combustion:

Aerosol-particle content (by mass) in components:

Not relevant\*

19.09 k//g

Not relevant\*

#### **Other Safety Characteristics:**

Surface tension at 20 °C:

Refractive index:

Not relevant\*

Not relevant\*

## SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity:

No hazardous reactions are expected if the technical instructions for the storage of chemical products are followed. See section 7 of the SDS for further information.

## 10.2 Chemical Stability:

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

#### 10.3 Possibility of Hazardous Reactions:

Under the indicated conditions no hazardous reactions are expected that could generate excessive pressure or temperatures.

<sup>\*</sup>Not relevant due to the nature of the product, which does not provide information characteristic of its hazard classification.

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## SECTION 10: STABILITY AND REACTIVITY (continued)

#### 10.4 Conditions to Avoid:

Applicable for handling and storage at room temperature:

- Shock and friction: Not aplicable
- Contact with air: Not aplicable
- Heating: Not aplicable
- Sunlight: Not aplicable
- · Humidity: Not aplicable

## 10.5 Incompatible Materials:

- · Acids: Avoid strong acids
- · Water: Not aplicable
- · Oxidising materials: Not aplicable
- · Combustible materials: Not aplicable
- Others: Avoid strong bases

## 10.5 Hazardous Decomposition Products:

See sections 10.3, 10.4 and 10.5 for specific decomposition products. Depending on the decomposition conditions, the process may release more complex mixtures of chemical substances, such as carbon dioxide ( $CO_2$ ), carbon monoxide and other organic compounds.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

#### 11.1 Information on toxicological effects according to Regulation (EC) No 1272/2008:

Information regarding health hazards:

This product is not classified as hazardous to health according to current legal regulations. However, prolonged or repeated exposure at concentrations above the limits established for occupational exposure may cause adverse effects depending on the exposure route:

#### A - Ingestion (acute effect):

- Acute toxicity: Based on available data, it does not meet classification criteria, containing no substances classified as hazardous by ingestion. See section 3 for more information.
- Corrosivity/Irritation: Based on available data, it does not meet classification criteria, containing no substances classified as corrosive for this effect.
   See section 3 for more information.

#### B - Inhalation (acute effect):

- Acute toxicity: Based on available data, it does not meet classification criteria, containing no substances classified as hazardous by inhalation. See
- Corrosivity/Irritation: Causes irritation to the respiratory tract, usually reversible and limited to the upper respiratory tract.

## C – Skin and Eye Contact (acute effect):

- Skin contact: Based on available data, it does not meet classification criteria, containing no substances classified as hazardous for skin contact. See section 3 for more information.
- Eye contact: Can cause eye irritation.

### D - CMR effects (carcinogenicity, mutagenicity, reproductive toxicity):

- Carcinogenicity: Based on available data, it does not meet classification criteria, containing no substances classified as carcinogenic. See section 3 for more information.
- IARC: Not relevant.
- Mutagenicity: Based on available data, it does not meet classification criteria, containing no substances classified as mutagenic. See section 3 for more information.
- Reproductive toxicity: Based on available data, it does not meet classification criteria, containing no substances classified as hazardous for reproduction. See section 3 for more information.

#### E – Specific Target Organ Toxicity (STOT) – single exposure:

- Respiratory system: Based on available data, it does not meet classification criteria, containing no substances classified as respiratory sensitizers
  according to Regulation (EC) No 1272/2008. Could irritate upper respiratory tract.
- Digestive system: Not relevant due to product characteristics.

## F – Specific Target Organ Toxicity (STOT) – repeated exposure:

• STOT – repeated exposure: Based on available data, it does not meet classification criteria, containing no substances classified as hazardous for this effect. May cause irritation of the upper respiratory tract. See sections 2, 3 and 15 for more information.

## G – Aspiration Hazard:

 Based on available data, it does not meet classification criteria, containing no substances classified as hazardous by aspiration. See section 3 for more information.

#### H - Aspiration Hazard:

Based on the available data, it does not meet the classification criteria, containing no substances classified as hazardous for this effect. For more
information see section 3.



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## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

## **Additional Information:**

Not relevant.

**Specific Toxicological Information of the Product:** 

	Acute Toxicity	Species	
DL50 oral	5400 mg/kg	Rat	

## Specific Toxicological Information of the Substances:

Acute Toxicity	Acute Toxicity		Species
Citric acid	DL50 oral	5400 mg/kg	Rat
CAS: 77-92-9	DL50 dermal		
CE: 201-069-1	DL50 inhalation		
	DL50 inhalation (dusts)		

#### 11.2 Information on Other Hazards

**Endocrine Disrupting Properties:** 

The product does not meet the criteria for endocrine-disrupting properties.

Other Data: Not relevant.

## SECTION 12: ECOLOGICAL INFORMATION

Based on the available data, it does not meet the classification criteria, containing no substances classified as hazardous for this effect. For more information see section 3.

## 12.1 Toxicity

Acute aquatic toxicity of the product:

	Acute Toxicity	Species	Gender
CL50	1516 mg/L (96h)	Not relevant	Rat
CE50	160 mg/L (48h)	Not relevant	Crustacean

## Acute aquatic toxicity of the substances:

Identification	Concentration		Species	Gender
Citric acid	CL50	1516 mg/L (96h)	Lepomis macrochirus	Rat
CAS: 77-92-9 CE: 201-069-1	CE50	160 mg/L (48h)	N/A	Crustacean
	CE50	Not relevant		

## 12.2 Persistence and Degradability

Identification	Degradability		Biodegradability	
Citric acid CAS: 77-92-9 CE: 201-069-1	DBO5	Not relevant	BCF	10 mg/L
	DQO	Not relevant	Period	28 days
	DBO5/DQO	Not relevant	% Biodegraded	97%

## 12.3 Bioaccumulation Potential

Specific information on the substances:

Identification	Bioaccumulation Potential		
Citric acid CAS; 77-92-9	BCF	3	
CE: 201-069-1	Log POW	-1.55	
	Potential	Low	



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## SECTION 12: ECOLOGICAL INFORMATION (continued)

#### 12.4 Mobility in Soil

Identification	Absorption/Desorption		Volatility	
Citric acid CAS: 77-92-9 CE: 201-069-1	Кос	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry Soil	Not relevant
	Surface tension	2.045E-2 N/m (350.93 °C)	Wet soil	Not relevant

#### 12.5 Results of PBT and vPvB Assessment:

The product does not meet the criteria for PBT/vPvB.

#### 12.6 Endocrine Disrupting Properties:

The product does not meet the criteria for endocrine-disrupting properties.

#### 12 7 Other Adverse Effects:

Not described.

# SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste Treatment Methods

Code	Description	Waste Type (Regulation (EU) No 1357/2014)
Emergency shower	It is not possible to assign a specific code, as it depends on the use given by the user	Hazardous

#### Waste Type (Regulation (EU) No 1357/2014):

HP5 – Specific target organ toxicity (STOT)

Toxicity by aspiration

HP4 - Irritant, causing skin irritation and eye damage

## Waste Management (Disposal and Recovery):

Consult the authorised waste manager for disposal and recovery operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC, Law 7/2022). The container must comply with codes 15 01 (2014/955/EU) when the packaging has been in direct contact with the product and should be managed in the same manner as the product itself. Otherwise, it will be managed as non-hazardous waste.

Discharge into watercourses should be avoided. See section 6.2.

## Legislative Provisions Related to Waste Management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH), community or national provisions related to waste management are included. Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

National legislation: Law 7/2022, of 8 April, on waste and contaminated soils for a circular economy

## SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods only applies to finished products.

# **SECTION 15: REGULATORY INFORMATION**

## 15.1 Safety, health and environmental regulations specific for the substance or mixture:

- Regulation (EU) 2024/590, on ozone-depleting substances: Not relevant
- Regulation (EU) 2019/1021, on persistent organic pollutants: Not relevant
- Regulation (EU) No 649/2012, concerning the export and import of hazardous chemicals: Not relevant
- Active substances included under Article 95 of Regulation (EU) No 528/2012: Citric acid (77-92-9) PT: (2)
- Substances subject to authorisation under Regulation (EC) 1907/2006 (REACH): Not relevant
- Substances listed in Annex XIV of REACH (authorisation list) and their sunset dates: Not relevant

## Seveso III:

Not relevant

Restrictions on the marketing and use of certain hazardous substances and mixtures (Annex XVII of the REACH Regulation, etc.):

Specific provisions regarding the protection of persons or the environment:

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## SECTION 15: REGULATORY INFORMATION (continued)

It is recommended to use the information contained in this safety data sheet as input data in a risk assessment based on local circumstances, with the aim of establishing the necessary risk-prevention measures for the handling, use, storage and disposal of this product.

#### Other legislation:

Regulation (EC) No 1272/2008 of the European Parliament and of the Council, of 16 December 2008, on the classification, labelling and packaging of substances and mixtures, and amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 and all subsequent modifications.

#### 15.2 Chemical Safety Assessment:

The supplier has not carried out a chemical safety assessment.

## **SECTION 16: OTHER INFORMATION**

#### Legislation applicable to safety data sheets:

This safety data sheet has been developed in accordance with ANNEX II – Guide for the compilation of Safety Data Sheets of Regulation (EC) No 1907/2006 (REGULATION (EU) 2020/878 OF THE COMMISSION).

#### Modifications with respect to the previous safety data sheet affecting risk management measures:

Not relevant

#### Texts of the legislative phrases referred to in section 2:

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

#### Texts of the legislative phrases referred to in section 3:

The phrases indicated do not refer to the product itself; they are only for informational purposes and refer to the individual components listed in section 3.

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

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

STOT SE 3: H335 – May cause respiratory irritation.

## Advice related to training:

Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in order to facilitate proper understanding and interpretation of this safety data sheet, as well as accurate reading of the product label.

## Main bibliographic sources:

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

OACI: International Civil Aviation Organization

ODP: Ozone Depletion Potential

DBO5: Biochemical Oxygen Demand over 5 days

DQO: Chemical Oxygen Demand BCF: Bioconcentration Factor

DL50/LD50: Lethal dose 50

CL50/LC50: Lethal concentration 50

Log POW: Partition coefficient n-octanol/water

**KOC: Volatile Organic Compounds** 

UFI: Unique formula identifier

IARC: International Agency for Research on Cancer

The information contained in this Safety Data Sheet is based on sources, technical knowledge and legislation in force at both European and national level; however, its accuracy cannot be guaranteed. This information should not be considered as a guarantee of the product's properties; it is simply a description of the requirements related to safety. The methodology and working conditions of the users of this product are beyond our knowledge and control, therefore it is always the user's final responsibility to take the necessary measures to comply with legislative requirements regarding the handling, storage, use and disposal of chemical products. The information in this safety data sheet refers solely to this product, which must not be used for purposes other than those specified.