

**FORMULATION ASCORBIC ACID (25%)
MATERIAL SAFETY DATA SHEET**

Version: 02. Revision Date: 12.12.2022

Replace MSDS: 12.11.2018

Print Date: 15.12.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** Formulation ascorbic acid (25%)**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses:** Only for professional uses. Bulk.**1.3. Details of the supplier of the safety data sheet****Company:** Almirall S.A.Avda General Mitre 151,
08022 Barcelona - Spain**Telephone:** +34 93 291 30 00**E-mail address:** msds@almirall.com**1.4. Emergency telephone number****Emergency Phone:** +34 93 291 30 00 (24 hours)**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) 1272/2008 (CLP)**

Product not considered hazardous according to Regulation (EC) 1272/2008

2.2. Label elements**Labelling according Regulation (EC) 1272/2008 (CLP)**

Product doesn't need to be labeled in accordance with EC directives or respective national laws.

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients**3.1. Substance**

Product not considered hazardous according to Regulation (EC) 1272/2008.

3.2. Mixture

The compounds of the mixture not considered hazardous according to Regulation (EC) 1272/2008.

SECTION 4: First aid measures**4.1. Description of first aid measures****If inhaled**

Fresh air and rest.

In case of skin contact

Wash the area affected with plenty of water.

In case of eye contact

Wash with plenty of water raising the lids occasionally to aid the action of the water.

If swallowed

Rinse the mouth with water.

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

No data available

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

No data available

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media: ABC powder, carbon dioxide, foam and water spray

Unsuitable extinguishing media: no data available

5.2. Special hazards arising from the substance or mixture

No data available

5.3. Advice for firefighters

No data available

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel: Avoid breathing vapors, mist or gas. For precautions see section 2.2.

For emergency responders: no data available

6.2. Environmental precautions

Do not allow to drain into soil or aquifers.

6.3. Methods and materials for containment and cleaning up

Take up with absorbent material. Wash and eliminate using the usual waste management procedure.

6.4. Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Use local exhaust ventilation. Do not inhale the powder and avoid contact with the skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

In a hermetically sealed double polyethylene bag inside a cardboard drum.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

No data available.

8.2. Exposure control

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Specific measures: avoid contact with skin. Use protective clothing.

Eye/face protection: safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. The selected protective gloves have to satisfy the specifications of EU Directives.

Respiratory protection: use a mask or face protector when it is necessary. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal hazards: no data available.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

- a) **Physical state:** solid
- b) **Colour:** no data available
- c) **Odour:** no data available.
- d) **Melting point/freezing point:** no data available.
- e) **Boiling point or initial boiling point and boiling range:** no data available.
- f) **Flammability:** no data available
- g) **Lower and upper explosion limit:** no data available
- h) **Flash point:** no data available.
- i) **Auto-ignition temperature:** no data available
- j) **Decomposition temperature:** no data available
- k) **pH:** no data available
- l) **Kinematic viscosity:** no data available
- m) **Solubility:** no data available
- n) **Partition coefficient: n-octanol/water (log value):** no data available.
- o) **Vapour pressure:** no data available
- p) **Density and/or relative density:** no data available
- q) **Relative vapour density:** no data available
- r) **Particle characteristics:** no data available

9.2. Other information

No data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Incompatible with acids

10.6 Hazardous decomposition products

No data available

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

No data available

Skin corrosion/irritation

No data available.

Serious eye damage/eye irritation

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific target organ toxicity - single exposure

No data available.

Specific target organ toxicity – repeated exposure

No data available.

Aspiration hazard

No data available.

11.2 Other information

No data available.

SECTION 12: Ecological information**12.1 Toxicity**

No data available.

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 vPvN assessment

No data available.

12.6 Endocrine disrupting properties

No data available

12.7 Others adverse effects

No data available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

The disposal of chemical substances in EC countries is regulated by laws and local provisions or the specific norms of the manufacturer.

Contaminated packaging

For disposal of contaminated packaging use the same measures as for the contaminating substance.

SECTION 14: Transport information

ADR	IATA	IMDG
14.1 UN number or ID number		
Not Dangerous Goods	Not Dangerous Goods	Not Dangerous Goods
14.2 UN proper shipping name		
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14.3 Transport hazard class(es)		
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14.4 Packaging group		
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14.5 Environmental hazards		
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14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information
15.1 Safety, health environmental regulations/legislation specific for the substance or mixture

No data available

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

The classification of the mixture has been carried out according to article 9 of Regulation (EC) n° 1272/2008.

Update of the MSDS according to COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.