

SAFETY DATA SHEET ACIDE ASCORBIQUE

version : EN/05-12-17/C

page : 1/3

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

Product name: Acide ascorbique

Commercial name and synonym: L-ascorbic acid; vitamin C

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

Industry, wine and food

1.3. Details of the supplier of the safety data sheet

Company details: Institut Œnologique de Champagne
Z.I. de Mardeuil – Allée de Cumières – BP 25
51201 EPERNAY Cedex
FRANCE
Tel: + 33 (0) 3.26.51.96.00.
Fax: + 33 (0) 3.26.51.02.20.
fds@ioc.eu.com

1.4. Emergency telephone number

112

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not applicable.

2.2. Label elements

Not applicable

2.3. Other hazards

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Generic name: L-ascorbic acid

Chemical usual name: Dihydroxybutadioic acid

CAS N°: 50-81-7

Molecular Weight: 176.13

Chemical Formula: C₆H₈O₆

EINECS: 2000662

3.2. Mixtures

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Eye Contact: rinse with plenty of water for at least 10 minutes and seek medical advice.

Skin Contact: wash off with water.

Ingestion: rinse mouth and throat thoroughly with water. In case of need, seek medical advice.

Inhalation: remove from exposure to a ventilated area and rinse with water throat and nose.

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

None

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

None

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

MEANS OF EXTINCTION APPROPRIATE water, CO₂, foam, chemical powders

5.2. Special hazards arising from the substance or mixture

Exposure hazards avoid breathing fumes. High risk of explosion of the powders.

5.3. Advice for firefighters

Use respiratory protection.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective gloves and clothing

6.2. Environmental precautions

Contain leaks with earth or sand. If the product is drained into a water course, into the drainage system or has contaminated the soil or vegetation, notify the authorities competent.

6.3. Methods and material for containment and cleaning up

Prevent it from entering the drainage system. Collect the product for elimination. After the harvest, wash the area and the materials concerned with water.

SAFETY DATA SHEET ACIDE ASCORBIQUE

version : EN/05-12-17/C

page : 2/3

6.4. Reference to other sections

See Section 13 for disposal of the substance

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors. See also the next paragraph 8. Do not use in contact with aluminum, copper, zinc, iron, etc. During work, do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Store the product according to good practices working. Protect the product from heat and moisture and keep it in its original packaging. Ventilate the premises.

7.3. Specific end use(s)

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1. Control parameters

No data available

8.2. Exposure controls

Precautionary measures : adequately ventilate the premises where the product comes from stored and / or manipulated.

Respiratory tract : not necessary for normal use. If the formation of powder is excessive use mask equipped with independent respirator.

Hands and skin : wear technical gloves.

Eyes : not necessary for normal use. Operate, however, according to good work practices.

Skin wear : the work uniform.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: powder or crystals

Odour: None

Odour threshold: No data available

pH: No data available

Melting / freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: Not determined

Evaporation rate: No data available

Flammability (solid, gas) +: No data available

Upper/lower flammability or explosive limits: No data available

Vapour pressure: No data available

Vapour density: No data available

Relative density: No data available

Solubility(ies): Soluble in Water

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity : No data available

Explosive properties: No data available

Oxidising properties: No data available

9.2. Other information

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under ordinary conditions of use and storage. Aqueous solutions are rapidly oxidized by air.

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Ferric salts, oxidizing agents and salts of heavy metals, such as the copper.

10.5. Incompatible materials

Incompatible with iron, heavy metal salts, alkaloids, gelatin, albumin, starch, oxidizing materials, lime water

SAFETY DATA SHEET ACIDE ASCORBIQUE

version : EN/05-12-17/C

page : 3/3

10.6. Hazardous decomposition products

In case of decomposition, emits toxic fumes.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

The concentration of the individual substances should be taken into consideration in order to evaluate the resulting toxicological effects from exposure to the preparation.

Oral LD50:> 10 g / kg.

Ascorbic acid also administered in high doses for a long time (14 weeks 8.9 g / kg / day) on animals from laboratory, it is not toxic.

Working with large quantities, sporadic cases of contact dermatitis have been noted on sensitive persons product.

Based on the experiences and information available, the product is not harmful to health, if manipulated correctly and used according to the rules.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Good eliminability (> 60%).

Water hazard: class 0 WGKO, generally not dangerous.

Use according to good working practices, avoiding to disperse the product in the environment

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

13.1. Waste treatment methods

Recover if possible.

Operate according to local and national regulations.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

Not regulated.

14.2. UN proper shipping name

Not regulated

14.3. Transport hazard class(es)

Not regulated

14.4. Packing group

Not regulated

14.5. Environmental hazards

Not regulated

14.6. Special precautions for user

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not regulated

SECTION 15. REGULATORY INFORMATION

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

The product does not contain ingredients listed as dangerous substances in EC Directives.

15.2. Chemical safety assessment

No.

SECTION 16. OTHER INFORMATION

Complete review of compliance with Regulation (EU) No 453/2010 of 20 May 2010

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