

<p style="text-align: center;">MATERIAL SAFETY DATA SHEET Directive (EEC) 91-155 ASCORBIC ACID</p>

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Ind. Rev.: 1

1 – PRODUCT AND COMPANY IDENTIFICATION

Product: ASCORBIC ACID
Generic name: Ascorbic acid or Vitamin C
- Supplier: LAMOTHE-ABIET - B.P. 75
33 015 BORDEAUX CEDEX - FRANCE
Tel: +33 (0)5.57.77.92.92 Fax: +33 (0)5.56.86.40.02
- Emergency telephone number: Bordeaux poison center: +33 (0)5.56.96.40.80

2 – CHEMICAL COMPOSITION / INFORMATION ON COMPONENTS

C₆H₈O₆: Pure product used for pharmaceutical and food purposes.
White or yellowish powder, odorless and with a nice acid taste

3 – HAZARDS IDENTIFICATION

Major hazards to human beings and the environment
This product is not harmful. Dust can cause eye irritation.

4 – FIRST AID MEASURES

Eye: Rinse with water. Skin: brush, then wash with water and soap. Do not use solvents.
Ingestion: Give large amounts of water and seek medical attention in case of excess ingestion.

5 – FIRE-FIGHTING MEASURES

Use sprayed water jet, foam, powders or CO₂.
Emits irritating fumes and acrid smoke when heated to decomposition.
Dust clouds may explode.

6 ACCIDENTAL RELEASE MEASURES

Collect spilled product for disposal. Avoid dust production.

7 – HANDLING AND STORAGE

Avoid dust production. Store in a dry area, away from light and heat. Store in glass or plastic containers away from light and preferably below 25°C to guarantee optimal quality. The package can be stored at least 6 months.

8 – EXPOSURE CONTROL/ PERSONAL PROTECTION

When handling the product out of its package, it is recommended to wear protective gloves and protective glasses in case of dust production.

9 – PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : powder
- Color : white/slightly yellow
- Odor : odorless
- Melting point : 192-193°C with decomposition
- Molecular weight : 176.12 g/mol.
- Dust flash point : 460°C
- Specific gravity : 1.65

Very soluble in water (30g/100ml). Slightly soluble in ethanol (2g/100ml) and in glycerin (1g/100ml). Not soluble in ether, chloroform, oils and fats.

10 – REACTIVITY

Stable in the air at ambient condition. Slightly sensitive to heat. Aqueous solutions are oxidized rapidly by air, bases and metallic ions. Incompatibilities with oxidizers such as sodium salicylate and sodium nitrite, methamine, theobromine. Not flammable. Large quantities of explosive dusts.

11 – TOXICOLOGICAL INFORMATION

G.R.A.S: Pharmaceutical active substance

LD₅₀ above 10 000 mg/kg (oral mouse/rat)

No known harmful effects for dosage below 9g/day.

Gastroenteritis for dosage of 50 to 80g/day over more than a week.

12 – ECOLOGICAL INFORMATION

Easily biodegradable. No specific hazards.

13 – DISPOSAL CONSIDERATIONS

Collect spilled product and dispose of by incineration.

14 – TRANSPORT INFORMATION

Not concerned by the RTMD

15 – REGULATORY INFORMATION

CAS N°: 50-81-7

16 – OTHER INFORMATION

The information contained in this safety data sheet is based on data considered accurate and true on the production date. However accuracy and exhaustiveness of this information as well as all regulations are given without warranty. Since the conditions of use are out of our control, it is the user's responsibility to determine the correct and safe application of this preparation.
