

Material Safety Data Sheet (MSDS)

Product Name: Ascorbic Acid Food Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

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1. Identification of the Substance/Preparation and Company

- **Product Name:** Ascorbic Acid
- **Synonyms:** Vitamin C, L-Ascorbic Acid
- **Grade:** Food Grade
- **CAS No.:** 50-81-7
- **Molecular Formula:** $C_6H_8O_6$
- **Recommended Use:** Food additive, antioxidant, nutritional supplement

2. Hazard Identification

- Classified as **non-hazardous** under GHS
- May cause **mild irritation** to eyes or skin on prolonged contact
- Dust may cause **temporary respiratory irritation**

3. Composition / Information on Ingredients

- **Chemical Name:** L-Ascorbic Acid
 - **Purity:** ≥ 99.0%
 - **CAS No.:** 50-81-7
 - **EC No.:** 200-066-2
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4. First Aid Measures

- **Eye Contact:** Rinse immediately with clean water for at least 15 minutes
 - **Skin Contact:** Wash with soap and water
 - **Inhalation:** Move to fresh air
 - **Ingestion:** Rinse mouth, drink water; seek medical advice if discomfort occurs
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5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, foam, CO₂
 - **Hazards from Combustion:** Carbon oxides
 - **Protective Equipment:** Self-contained breathing apparatus
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6. Accidental Release Measures

- Avoid dust formation
 - Sweep or vacuum spilled material into suitable container
 - Dispose according to local regulations
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7. Handling and Storage

- Handle in a well-ventilated area
 - Avoid excessive dust generation
 - Store in **cool, dry place** away from moisture and direct sunlight
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8. Exposure Controls / Personal Protection

- **Engineering Controls:** Adequate ventilation
- **Eye Protection:** Safety goggles recommended
- **Skin Protection:** Gloves
- **Respiratory Protection:** Dust mask if required

9. Physical and Chemical Properties

- **Appearance:** White or almost white crystalline powder
- **Odor:** Odorless
- **Solubility:** Freely soluble in water
- **pH (5% solution):** 2.1 – 2.6
- **Melting Point:** ~190°C (decomposes)

10. Stability and Reactivity

- **Stability:** Stable under normal conditions
- **Conditions to Avoid:** Heat, light, moisture
- **Incompatible Materials:** Strong oxidizing agents
- **Hazardous Decomposition:** Carbon oxides

11. Toxicological Information

- **Acute Toxicity:** Low toxicity
- **Skin/Eye Irritation:** Mild irritation possible
- **Chronic Effects:** No known adverse effects under normal use

12. Ecological Information

- **Eco-toxicity:** Not expected to be harmful
- **Biodegradability:** Readily biodegradable
- **Bioaccumulation:** Not expected

13. Disposal Considerations

- Dispose in accordance with local and national regulations
- Small quantities may be disposed of as non-hazardous waste

14. Transport Information (Detailed)

Ascorbic Acid Food Grade is **not classified as a dangerous good** for transport under international transport regulations.

- **UN Number:** Not assigned
- **UN Proper Shipping Name:** Not regulated
- **Transport Hazard Class:** Not applicable
- **Packing Group:** Not applicable

Transport Regulations:

- **ADR/RID (Road/Rail):** Not regulated
- **IMDG (Sea Transport):** Not regulated
- **IATA (Air Transport):** Not regulated

Special Transport Precautions:

- Protect from moisture and direct sunlight
- Ensure packaging is tightly sealed
- Avoid exposure to excessive heat
- Transport in food-grade, contamination-free containers

Bulk Transport:

- Product may be transported in sealed fiber drums, HDPE drums, or bags with inner liners
- Ensure compliance with food safety transport standards

15. Regulatory Information

- Complies with food additive regulations
- Approved for use in food and nutraceutical applications
- Conforms to applicable national and international food safety standards

16. Other Information

The information provided in this MSDS is based on current knowledge and is intended for guidance in safe handling, use, and storage. It does not constitute a guarantee of product properties.

- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.