

# Material Safety Data Sheet (MSDS)

**Product Name:** L+ Tartaric Acid

**MSDS Generate Date:** 20-05-2017

**Revision Date:** 30-12-2024

## Supplier:

Rawpharma Biz Pvt Ltd

1101- City Centre 2,

Science City Road,

Sola Ahmedabad Gujarat,

India - 380060.

**Contact No.:** +91 97272 88479

**Email:** [info@rawpharmabiz.com](mailto:info@rawpharmabiz.com)

**Website:** [www.rawpharmabiz.com](http://www.rawpharmabiz.com)

---

## 1. Product Identification

- **Chemical Name:** L+ Tartaric Acid
- **Synonyms:** Dihydroxybutanedioic acid, (+)-Tartaric Acid
- **CAS Number:** 87-69-4
- **Chemical Formula:**  $C_4H_6O_6$
- **Grade:** Food / Pharmaceutical Grade

---

## 2. Composition / Information on Ingredients

- **Ingredient:** L+ Tartaric Acid
- **Concentration:** ≥99%
- **CAS Number:** 87-69-4

---

## 3. Hazards Identification

- **Emergency Overview:** White crystalline powder. Non-flammable, but may cause irritation to eyes, skin, and respiratory system.
  - **GHS Classification:**
    - Eye Irritation – Category 2A
    - Skin Irritation – Category 2
    - STOT (Single Exposure) – Category 3 (respiratory)
- 

#### 4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
  - **Skin Contact:** Wash with soap and water. Seek medical advice if irritation occurs.
  - **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention.
  - **Ingestion:** Rinse mouth. Drink water. Do not induce vomiting. Seek medical attention if necessary.
- 

#### 5. Firefighting Measures

- **Suitable Extinguishing Media:** Water spray, CO<sub>2</sub>, dry chemical powder, or foam.
  - **Specific Hazards:** Decomposes at high temperatures, producing irritating fumes.
  - **Protective Equipment:** Wear self-contained breathing apparatus and protective clothing.
- 

#### 6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Use personal protective equipment.
  - **Environmental Precautions:** Prevent from entering drains, watercourses, or soil.
  - **Methods for Cleanup:** Sweep up, collect in suitable containers, and dispose according to local regulations.
- 

#### 7. Handling and Storage

- **Handling:** Avoid inhalation, ingestion, and contact with skin and eyes. Use in well-ventilated areas.

- **Storage:** Store in a cool, dry, and well-ventilated place. Keep container tightly closed.
- 

## 8. Exposure Controls / Personal Protection

- **Engineering Controls:** Adequate ventilation.
  - **Personal Protective Equipment (PPE):**
    - Respiratory: Dust mask if necessary
    - Hands: Protective gloves
    - Eyes: Safety goggles
    - Skin: Protective clothing
- 

## 9. Physical and Chemical Properties

- **Appearance:** White crystalline powder
  - **Odor:** Odorless
  - **Melting Point:** 171–174 °C
  - **Boiling Point:** Decomposes
  - **Solubility:** Soluble in water, slightly soluble in ethanol
- 

## 10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
  - **Conditions to Avoid:** Moisture, high temperature, incompatible materials.
  - **Incompatible Materials:** Strong oxidizing agents, strong bases.
  - **Hazardous Decomposition Products:** Carbon oxides on decomposition.
- 

## 11. Toxicological Information

- **Acute Toxicity:** Low toxicity
- **Skin Contact:** May cause irritation
- **Eye Contact:** Causes serious eye irritation

- **Inhalation:** May cause respiratory irritation

---

## 12. Ecological Information

- **Eco-toxicity:** Non-toxic to aquatic life in small quantities
- **Persistence / Degradability:** Biodegradable
- **Mobility:** Soluble in water; may disperse in the environment

---

## 13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations.
- Avoid release to the environment.

---

## 14. Transport Information (Detailed)

- **UN Number:** Not classified as hazardous for transport
- **UN Proper Shipping Name:** L+ Tartaric Acid
- **Transport Hazard Class:** Not applicable
- **Packing Group:** Not applicable
- **Marine Pollutant:** No
- **ADR/RID:** Not restricted
- **IMDG:** Not restricted
- **IATA:** Not restricted
- **Precautions:**
  - Avoid mechanical shocks or friction that can generate dust.
  - Ensure containers are sealed and upright during transport.
  - Protect from moisture and direct sunlight.
  - Emergency procedures for spills include isolation of area, avoiding inhalation of dust, and using PPE for cleanup.
  - No special placarding or labeling is required under normal transport conditions.

---

## 15. Regulatory Information

- Complies with local and international regulations for food and pharmaceutical use.
- GHS Classification: Eye & Skin irritant.

---

## 16. Other Information

- **Disclaimer:** The information in this MSDS is provided in good faith and believed to be accurate as of the date of issue. Users should verify suitability for their own use and comply with applicable laws and regulations.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** [www.rawpharmabiz.com](http://www.rawpharmabiz.com)
- MSDS are based on the manufacturer's provided information.