

Material Safety Data Sheet (MSDS)

Product Name: DL 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

Website: www.rawpharmabiz.com

1. Product Identification

- Product Name: DL Tartaric Acid
- CAS Number: 133-79-9
- Molecular Formula: $C_4H_6O_6$
- Molecular Weight: 150.09 g/mol
- Recommended Use: Food additive, pharmaceutical intermediate, industrial chemical

2. Composition / Information on Ingredients

- The product consists of **100% DL Tartaric Acid** (CAS Number 133-79-9). No other ingredients are present in significant amounts.

3. Hazards Identification

- **GHS Classification:**
 - Eye irritation: Category 2A

- Skin irritation: Category 2
 - **Label Elements:**
 - **Signal Word:** Warning
 - **Hazard Statements:** Causes serious eye irritation; Causes skin irritation
-

4. First-Aid Measures

- **Inhalation:** Move to fresh air; if symptoms persist, seek medical attention.
 - **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
 - **Eye Contact:** Rinse cautiously with water for 15 minutes. Seek medical attention if irritation persists.
 - **Ingestion:** Rinse mouth; do not induce vomiting; seek medical attention if necessary.
-

5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical, CO₂.
 - **Unsuitable Media:** None known.
 - **Specific Hazards:** Emits toxic fumes under fire conditions.
 - **Protective Equipment:** Self-contained breathing apparatus and protective clothing.
-

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Use personal protective equipment.
 - **Environmental Precautions:** Prevent entry into drains, watercourses, or soil.
 - **Methods for Cleanup:** Sweep up, place in suitable container, and dispose of according to local regulations.
-

7. Handling and Storage

- **Handling:** Avoid dust formation. Handle in well-ventilated areas.
- **Storage:** Store in a cool, dry, well-ventilated place. Keep container tightly closed. Protect from moisture.

8. Exposure Controls / Personal Protection

- **Exposure Limits:** No specific occupational exposure limits established.
- **Engineering Controls:** Use local exhaust ventilation.
- **Personal Protective Equipment (PPE):**
 - Eye protection: Safety goggles
 - Hand protection: Protective gloves
 - Respiratory protection: Dust mask if necessary
 - Skin protection: Protective clothing

9. Physical and Chemical Properties

- Appearance: White crystalline powder
- Odor: Odorless
- pH: 2–3 (1% solution)
- Melting Point: 171–174°C
- Solubility: Soluble in water; slightly soluble in ethanol
- Density: 1.78 g/cm³

10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Conditions to Avoid:** Excessive heat, moisture.
- **Incompatible Materials:** Strong oxidizing agents, strong bases.
- **Hazardous Decomposition Products:** Carbon oxides under fire conditions.

11. Toxicological Information

- **Acute Toxicity:** LD50 oral (rat) > 2000 mg/kg
- **Skin Irritation:** May cause mild irritation

- **Eye Irritation:** Causes serious eye irritation
 - **Chronic Effects:** No known chronic effects
-

12. Ecological Information

- **Eco-toxicity:** Practically non-toxic to aquatic life.
 - **Biodegradability:** Readily biodegradable.
 - **Mobility:** Soluble in water; may disperse easily.
-

13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations.
 - Do not discharge into drains, watercourses, or the environment.
-

14. Transport Information (Detailed)

- **UN Number:** 3260 (Corrosive solid, acidic, organic, n.o.s.) – if classified under transport regulations; otherwise not regulated.
- **UN Proper Shipping Name:** Tartaric Acid, Solid
- **Transport Hazard Class:** 8 (Corrosive)
- **Packing Group:** III (minor danger)
- **Marine Pollutant:** No
- **Special Precautions for Transport:**
 - Ensure containers are tightly closed and upright.
 - Protect from moisture and contamination.
 - Avoid rough handling and excessive vibration during transport.
 - In case of spillage during transport, clean up immediately using personal protective equipment.
 - Labeling: Proper labeling according to ADR/RID/IMDG/IATA standards must be affixed to all transport packages.
- **Transport Mode:** Road, Rail, Sea, and Air – follow relevant regulations.

- **Emergency Procedures:** Refer to local transport emergency guidelines in case of accidental release, fire, or exposure.

15. Regulatory Information

- Complies with applicable national and international chemical safety regulations.
- Not listed as a carcinogen by IARC, NTP, or OSHA.

16. Other Information

- **Disclaimer:** The information provided is based on current knowledge and experience.
Users are responsible for determining safety measures and proper use.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.