

Material Safety Data Sheet (MSDS)

Product Name: Sodium Citrate IP 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

- **Chemical Name:** Sodium Citrate
- **Synonyms:** Trisodium citrate, Sodium citrate dihydrate
- **Chemical Formula:** $\text{Na}_3\text{C}_6\text{H}_5\text{O}_7$
- **CAS Number:** 68-04-2

2. Composition/Information on Ingredients

- Sodium Citrate (CAS No. 68-04-2), $\geq 99\%$ purity

3. Hazards Identification

- **Emergency Overview:** White crystalline powder, odorless, non-flammable.
- **Potential Health Effects:**
 - **Inhalation:** May cause mild respiratory irritation.

- **Skin Contact:** Non-irritant, but prolonged exposure may cause dryness.
- **Eye Contact:** May cause mild irritation.
- **Ingestion:** Low toxicity; large amounts may cause gastrointestinal discomfort.

4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash with soap and water.
- **Eye Contact:** Rinse with plenty of water for 15 minutes.
- **Ingestion:** Rinse mouth; drink water. Seek medical advice if discomfort occurs.

5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical, CO₂.
- **Special Hazards:** None; non-flammable.
- **Protective Equipment:** Use self-contained breathing apparatus if necessary.

6. Accidental Release Measures

- Sweep or scoop up material; avoid dust formation.
- Place in suitable containers for disposal.
- Wash affected area with water after cleanup.

7. Handling and Storage

- **Handling:** Avoid dust formation. Use in well-ventilated area.
- **Storage:** Store in cool, dry, well-ventilated area. Keep container tightly closed.

8. Exposure Controls/Personal Protection

- **Engineering Controls:** Adequate ventilation.
- **Respiratory Protection:** Dust mask if necessary.

- **Hand Protection:** Protective gloves.
 - **Eye Protection:** Safety goggles.
 - **Skin Protection:** Protective clothing.
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9. Physical and Chemical Properties

- **Appearance:** White crystalline powder
 - **Odor:** Odorless
 - **pH:** 7–9 (1% solution)
 - **Melting Point:** 300°C (decomposes)
 - **Solubility:** Soluble in water, insoluble in alcohol
 - **Density:** 1.676 g/cm³
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10. Stability and Reactivity

- **Chemical Stability:** Stable under normal conditions.
 - **Conditions to Avoid:** Excessive heat, moisture.
 - **Incompatible Materials:** Strong acids, strong oxidizing agents.
 - **Hazardous Decomposition Products:** None under normal conditions.
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11. Toxicological Information

- **Acute Toxicity:** LD₅₀ oral (rat) > 5400 mg/kg
 - **Chronic Effects:** None known
 - **Irritation:** Mild eye and respiratory irritation possible
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12. Ecological Information

- **Environmental Impact:** Low toxicity to aquatic life
- **Persistence and Degradability:** Biodegradable
- **Bioaccumulation:** Not expected

13. Disposal Considerations

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

14. Transport Information (Detailed)

- **UN Number:** Not regulated
- **UN Proper Shipping Name:** Sodium Citrate
- **Transport Hazard Class:** Not classified as hazardous
- **Packing Group:** Not applicable
- **Marine Pollutant:** No
- **Transport Precautions:**
 - Sodium Citrate is considered safe for transport via road, rail, sea, or air.
 - Ensure containers are tightly sealed and protected from moisture.
 - During transportation, avoid mixing with strong acids or oxidizers.
 - No special fire or explosion precautions are required as the substance is non-flammable and non-reactive under transport conditions.
- **Labeling Requirements:** Standard labeling as per transport regulations (if any) to indicate chemical name and handling instructions.

15. Regulatory Information

- Complies with IP (Indian Pharmacopoeia) standards.
- Not classified as hazardous under Indian regulations.

16. Other Information

- **References:** IP standards, Manufacturer data sheets
- **Disclaimer:** The information provided is believed to be accurate and reliable but is provided without warranty. Users must evaluate and use it safely.

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- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.