



Material Safety Data Sheet

Sodium Citrate MSDS

1. SUBSTANCE IDENTIFICATION

- 1.1. Product Name: [Sodium Citrate](#)
- 1.2. Description: Sodium Citrate is a organic chemicals manufactured through fermentation.
- 1.3. Chemical Formula: $\text{Na}_3\text{C}_6\text{H}_5\text{O}_7$
- 1.4. Molecular weight: 258.06
- 1.5. CAS #: 68-04-2
- 1.6. EINECS #: 201-069-1
- 1.7. Manufactured by: Foodchem International Corporation, Shanghai China.
- 1.8. Supplied by: Foodchem International Corporation, Shanghai China.
- 1.9. Usage: In food as Acidulants

2. Composition

- 2.1. Sodium Citrate: 99.00-100.50%
- 2.2. Hazardous impurities: Negative

3. Physical/Chemical Characteristics

- 3.1. Physical State: Powder
- 3.2. Appearance: Colorless or white crystalline granule or crystalline powder odorless
- 3.3. Odor: Odorless
- 3.4. pH: 7.5-9.0
- 3.5. Melting point/range: Not applicable
- 3.6. Boiling point: Not applicable
- 3.7. Bulk density: Not applicable
- 3.8. Solubility: 42.5 g/100 g of water at 25 ° C

4. Stability/Reactivity

- 4.1. Chemical Stability: Stable
- 4.2. Shelf Life: 24 months period
- 4.3. Hazardous decomposition: Not Applicable
- 4.4. Hazardous polymerization: Will not occur
- 4.5. Incompatible with: Oxidizing agents

5. Handling/Storage

- 5.1. Storage: stored in a cool, dry, well-ventilated area away from incompatible substances, protected from moisture.
- 5.2. Handling precaution: Keep away from heat. Keep away from sources of ignition. Do not breathe dust. Keep away from incompatibles such as oxidizing agents.

6. Exposure Control

- 6.1. Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.
- 6.2. Respiratory protection: A self contained breathing apparatus should be used to avoid inhalation of the product.
- 6.3. Eye Protection: Protective eyeglasses or chemical safety goggles
- 6.4. Skin Protection: Full suit. Boots. Gloves
- 6.5. Other: Consult professionals if Sodium Citrate need to be handled under some special conditions.



7. Hazards Identification

- 7.1. Hazardous overview: Sodium Citrate is Slightly hazardous in case of eye contact, skin contact, ingestion, inhalation.
- 7.2. Contact with eyes: May cause eye irritation
- 7.3. Contact with skin: May cause irritation
- 7.4. Ingestion: Ingestion of large amounts may cause gastrointestinal tract irritation/disturbances
- 7.5. Inhalation: May cause respiratory tract irritation
- 7.6. Other: May affect behavior (convulsions), respiration (cyanosis).

8. First Aid Measures

- 8.1. Contact with eyes: Immediately flush eyes with plenty of water for at least 15 minutes and seek medical advice
- 8.2. Contact with skin: Wash with soap and water and seek medical advice if irritation develops.
- 8.3. Ingestion: If large quantity of Sodium Citrate is swallowed, seek medical aid immediately.
- 8.4. Inhalation: Remove from exposure, move to fresh air and seek medical advice if having breathing difficulty

9. Fire and Explosion Data

- 9.1. General information: May be combustible at high temperature
- 9.2. Flash point: Not applicable
- 9.3. Ignition control: Not Applicable
- 9.4. Dust control: Keep the handling area with adequate ventilation
- 9.5. Extinguishing Media: DRY chemical powder, water spray, fog or foam
- 9.6. Spills/Leaks: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and evacuate through the sanitary system.

10. Transport Information

- 10.1. No special requirements and no restrictions on transportation by land, sea or air.

11. Ecological Information

- 11.1. Sodium Citrate is fully biodegradable.

12. Other Information

- 12.1. This Safety Data Sheet of Sodium Citrate is based upon a limited review of Foodchem International Corporation files and standard Toxicological handbooks. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Foodchem International Corporation be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Foodchem International Corporation has been advised of the possibility of such damages.

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