



Material Safety Data Sheet

Sodium Hexametaphosphate MSDS

1. SUBSTANCE IDENTIFICATION

- 1.1. Product Name: [Sodium Hexametaphosphate](#)
- 1.2. Description: Sodium Hexametaphosphate is a mixture of polymeric metaphosphates manufactured through chemical synthesis.
- 1.3. Chemical Formula: (NaPO₃)₆
- 1.4. Molecular weight: 611.77
- 1.5. CAS #: 10124-58-8
- 1.6. EINECS #: 233-343-1
- 1.7. Manufactured by: Foodchem International Corporation, Shanghai China.
- 1.8. Supplied by: Foodchem International Corporation, Shanghai China.
- 1.9. Usage: In food as food supplements

2. Composition

- 2.1. Sodium Hexametaphosphate: 68.0%
- 2.2. Hazardous impurities: Negative

3. Physical/Chemical Characteristics

- 3.1. Physical State: Powder
- 3.2. Appearance: WHITE POWDER OR WHITE GRANULES
- 3.3. Odor: Odorless
- 3.4. pH: 5.8-6.5
- 3.5. Melting point/range: 550 ° C
- 3.6. Boiling point: 1500 ° C
- 3.7. Bulk density: 2.484 g/cm³
- 3.8. Solubility: Easily soluble in cold water, hot water

4. Stability/Reactivity

- 4.1. Chemical Stability: Stable under normal temperatures and pressures
- 4.2. Shelf Life: 24 months period
- 4.3. Hazardous decomposition: Thermal decomposition may produce carbon monoxide and dioxide
- 4.4. Hazardous polymerization: Will not occur
- 4.5. Incompatible with: Strong oxidizers

5. Handling/Storage

- 5.1. Storage: kept in dry, cool, and shaded place with original packaging, avoid moisture, store at room temperature.
- 5.2. Handling precaution: Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing.

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: NIOSH/MSHA or European Standard EN 149 approved respirator
- 6.3. Eye Protection: Protective eyeglasses or chemical safety goggles
- 6.4. Skin Protection: Wear appropriate protective gloves and clothes to minimize skin contact.
- 6.5. Other: Consult professionals if Sodium Hexametaphosphate need to be handled under some special conditions.

7. Hazards Identification



- 7.1. Hazardous overview: Sodium Hexametaphosphate is Hazardous in case of eye contact, or ingestion. Slightly Hazardous in case of skin contact or inhalation.
- 7.2. Contact with eyes: May cause irritation
- 7.3. Contact with skin: May cause irritation, very low chance for usual industrial handling
- 7.4. Ingestion: May cause digestive tract irritation.
- 7.5. Inhalation: May cause respiratory tract irritation
- 7.6. Other: Not Applicable

8. First Aid Measures

- 8.1. Contact with eyes: Flush immediately with plenty of water for 15 minutes and seek medical advice
- 8.2. Contact with skin: Wash the affected area with water, remove contaminated clothing and launder before re-use. Seek medical advice if irritation develops or persists.
- 8.3. Ingestion: Rinse mouth thoroughly with water and drink water afterwards.
- 8.4. Inhalation: Remove from exposure, move to fresh air and seek medical advice immediately.

9. Fire and Explosion Data

- 9.1. General information: Non-flammable.
- 9.2. Flash point: Not applicable
- 9.3. Ignition control: Not Applicable
- 9.4. Dust control: Not Applicable
- 9.5. Extinguishing Media: Water spray, dry chemical or carbon dioxide
- 9.6. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container

10. Transport Information

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

11. Ecological Information

- 11.1. Sodium Hexametaphosphate is fully biodegradable and the products of degradation are not toxic.

12. Other Information

- 12.1. This Safety Data Sheet of Sodium Hexametaphosphate 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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