



Material Safety Data Sheet

Sodium Hydroxide MSDS

1. SUBSTANCE IDENTIFICATION

- 1.1. Product Name: [Sodium Hydroxide](#)
- 1.2. Description: Sodium Hydroxide is a inorganic alkali manufactured through electrolytic chloralkali process.
- 1.3. Chemical Formula: NaOH
- 1.4. Molecular weight: 40
- 1.5. CAS #: 1310-73-2
- 1.6. EINECS #: 215-185-5
- 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 preparation agent

2. Composition

- 2.1. Sodium Hydroxide: >99%
- 2.2. Hazardous impurities: Na₂CO₃ 0.36, NaCl 0.03, Fe₂O₃ 0.003

3. Physical/Chemical Characteristics

- 3.1. Physical State: Powder
- 3.2. Appearance: White solid
- 3.3. Odor: odorless
- 3.4. pH: 13.5
- 3.5. Melting point/range: 323 ° C (613.4 ° F)
- 3.6. Boiling point: 1388 ° C (2530.4 ° F)
- 3.7. Bulk density: 2.13g/cm³
- 3.8. Solubility: Easily soluble in cold 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: Incompatible
- 4.4. Hazardous polymerization: Will not occur
- 4.5. Incompatible with: oxidizing agents, reducing agents, acids, alkalis, moisture.

5. Handling/Storage

- 5.1. Storage: Kept in dry, cool, and tightly sealed container, avoid moisture, store at room temperature.
- 5.2. Handling precaution: Keep container dry. Do not breathe dust. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment.

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 Hydroxide need to be handled under some special conditions.



7. Hazards Identification

- 7.1. Hazardous overview: Sodium Hydroxide is Very hazardous in case of skin contact (corrosive, irritant, permeator), of eye contact (irritant, corrosive), of ingestion, of inhalation.
- 7.2. Contact with eyes: Can result in corneal damage or blindness.
- 7.3. Contact with skin: Can produce inflammation and blistering.
- 7.4. Ingestion: May irritate the tissues of the mouth, esophagus, and other tissues of the digestive system
- 7.5. Inhalation: Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing.
- 7.6. Other: Not Applicable

8. First Aid Measures

- 8.1. Contact with eyes: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.
- 8.2. Contact with skin: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention
- 8.3. Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
- 8.4. Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

9. Fire and Explosion Data

- 9.1. General information: Non-flammable
- 9.2. Flash point: Not available
- 9.3. Ignition control: Not available
- 9.4. Dust control: Keep the handling area with adequate ventilation
- 9.5. Extinguishing Media: Not available
- 9.6. Spills/Leaks: Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid.

10. Transport Information

- 10.1. Class 8: Corrosive material

11. Ecological Information

- 11.1. Sodium Hydroxide is fully degradation biodegradable. The product itself and its products of degradation are not toxic

12. Other Information

- 12.1. This Safety Data Sheet of Sodium Hydroxide 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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