

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Sodium Hypochlorite 8.25%

Synonyms: sodium hypochlorite

CAS Number: 7681-52-9

Grade/Purity: Technical

Product Type: Bases

Product Use: Industrial, Manufacturing or Laboratory use

Manufacturer/Supplier: Alliance Chemical, 204 South Edmond St, Taylor, Texas 76574

Information: 512-365-6838 | www.alliancechemical.com

Emergency: CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

2. HAZARDS IDENTIFICATION

Signal Word: Danger

GHS Pictograms:



Hazard Statements:

| | |
|------|---|
| H314 | Causes severe skin burns and eye damage [Danger Skin corrosion/irritation] |
| H318 | Causes serious eye damage [Danger Serious eye damage/eye irritation] |
| H400 | Very toxic to aquatic life [Warning Hazardous to the aquatic environment, acute hazard] |
| H410 | Very toxic to aquatic life with long lasting effects [Warning Hazardous to the aquatic environment, long-term hazard] |

Precautionary Statements:

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|-------|--|
| P260, | P264, P264+P265, P273, P280, P301+P330+P331, P302+P361+P354, P304+P340, P305+P354+P338, P316, P317, P321, P363, P391, P405, and P501 |
|-------|--|

3. COMPOSITION / INFORMATION ON INGREDIENTS

| COMPONENT | WEIGHT % | CAS # | EINECS# / ELINCS# | FORMULA | MOLECULAR WEIGHT |
|---------------------|----------|-----------|-------------------|------------------|------------------|
| Sodium Hypochlorite | 8.25% | 7681-52-9 | 231-668-3 | NaClO | 74.44 g/mol |
| Water | 91.75% | 7732-18-5 | 231-791-2 | H ₂ O | 18.02 g/mol |

4. FIRST-AID MEASURES

| | |
|-------------------|--|
| Eyes | EYES: Flush with plenty of water for 15 minutes. |
| Skin | SKIN: Wash contaminated area with soap and water. |
| Inhalation | INHALATION: Sips of milk or other demulcent. |
| Ingestion | -- DO NOT perform mouth-to-mouth resuscitation; the victim may have ingested or inhaled the substance. |

5. FIRE-FIGHTING MEASURES

| | |
|-----------------------------|--|
| Suitable Media | Dry chemical, CO ₂ , water spray. Use water spray to cool containers. |
| Unsuitable Media | Do not use a solid water stream as it may scatter and spread fire. |
| Protective Equipment | Wear self-contained breathing apparatus and full protective clothing. |
| Combustion Products | May include carbon oxides and other toxic fumes. See Section 10. |

6. ACCIDENTAL RELEASE MEASURES

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| Personal Precautions | Use PPE as described in Section 8. Ensure adequate ventilation. Evacuate personnel to safe areas. |
| Environmental | Prevent leakage or spillage from entering drains, sewers, or waterways. |
| Containment & Cleanup | Absorb with inert material. Collect in appropriate waste container. Dispose per applicable regulations. |

7. HANDLING AND STORAGE

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|----------------------|---|
| Safe Handling | Use with adequate ventilation. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Keep container closed when not in use. |
| Safe Storage | Store in a cool, dry, well-ventilated area. Use corrosion-resistant containers. Keep away from incompatible materials (see Section 10). Keep containers tightly closed. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use adequate ventilation. Provide eyewash stations and quick-drench showers accessible to areas of use.

Occupational Exposure Limits:

No established occupational exposure limits.

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|-------------------|---|
| Eyes | Wear chemical safety goggles or face shield. |
| Skin | Wear chemical-resistant gloves and protective clothing. |
| Inhalation | Use NIOSH-approved respirator if exposure limits are exceeded or irritation occurs. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------|---|
| Appearance | Yellow-green liquid with strong chlorine odor |
| Odor | Characteristic |
| pH | Not Available |
| Melting Point | -6°C |
| Boiling Point | 101°C (dilute) |
| Flash Point | Not Available |
| Vapor Pressure | Not Available |
| Specific Gravity | 1.12 |
| Solubility | Fully soluble in water |
| Molecular Formula | NaClO |
| Molecular Weight | 74.44 g/mol |

10. STABILITY AND REACTIVITY

| | |
|-------------------------------|---|
| Chemical Stability | Stable under recommended storage conditions. |
| Hazardous Reactions | None under normal processing conditions. |
| Conditions to Avoid | Heat, sparks, open flame, and incompatible materials. |
| Incompatible Materials | Strong acids, strong bases, reactive metals, water (for some concentrated forms). |
| Decomposition Products | May produce carbon oxides and other toxic fumes when heated to decomposition. |

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: See Section 2 for GHS hazard classification.

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|-------------|---------------------------|
| IARC | Not listed as carcinogen. |
| NTP | Not listed as carcinogen. |
| OSHA | Not listed as carcinogen. |

12. ECOLOGICAL INFORMATION

| | |
|-------------------------|---|
| Ecotoxicity | Data not available. Avoid release to the environment. |
| Persistence | Not Available |
| Bioaccumulation | Not Available |
| Mobility in Soil | Not Available |

13. DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with applicable federal, state, and local regulations. Do not dispose of into drains or waterways.

14. TRANSPORT INFORMATION

| | |
|-------------------------|--|
| US DOT | UN1791, Hypochlorite solution, 8, PG III |
| IMDG | UN1791, Hypochlorite solution, 8, PG III |
| IATA/ICAO | UN1791, Hypochlorite solution, 8, PG III |
| Marine Pollutant | No |

15. REGULATORY INFORMATION

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|---------------------------|--|
| TSCA Inventory | All ingredients are listed on the TSCA Active inventory. |
| California Prop 65 | Refer to California Proposition 65 list for current status. |
| SARA 311/312 | See Section 2 for hazard classifications. |
| SARA 313 | Refer to EPA Toxic Release Inventory for current listing status. |

16. OTHER INFORMATION

Revision Date: 04/27/2026

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