

# Sodium Hypochlorite 6%

Technical · 6%

GHS Revision

Rev. 9 (2021)

Reviewed

2026-07-17

Emergency

Chemtel 1-800-255-3924 (24/7)

|                                                                                                                |                                |                                                      |
|----------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------|
| CAS number<br><b>7681-52-9</b>                                                                                 | UN number<br><b>UN1791</b>     | Hazard class ·<br>packing group<br><b>8 · PG III</b> |
| <br>Structure · PubChem                                                                                        | Grade<br><b>Technical · 6%</b> | Signal word<br><b>Danger</b>                         |
| Hazards<br><div><div>Corrosive</div><div>Environmental hazard</div><div>EUH031 H290 H314 H400 H410</div></div> |                                |                                                      |
| Proper shipping name<br><b>Hypochlorite solutions</b>                                                          |                                |                                                      |
| Sodium Hypochlorite 6% is regulated for transport under DOT 49 CFR — see the shipping classification below.    |                                |                                                      |

## 1 Identification

Product Identifier

Sodium Hypochlorite 6%

Grade

Technical

Concentration

6%

|                  |                                                  |
|------------------|--------------------------------------------------|
| CAS Number       | 7681-52-9                                        |
| Molecular Weight | 74.44 g/mol                                      |
| Manufacturer     | Alliance Chemical                                |
|                  | 204 South Edmond Street, Taylor, TX 76574        |
| Emergency Phone  | Chemtel 1-800-255-3924 (24/7)                    |
| Recommended Use  | Industrial / laboratory chemical. See Section 7. |

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## 2 Hazard Identification



Corrosive



Environmental  
hazard

**Signal Word****Danger****Hazard Statements**

**EUH031** Contact with acids liberates toxic gas  
**H290** May be corrosive to metals  
**H314** Causes severe skin burns and eye damage  
**H400** Very toxic to aquatic life  
**H410** Very toxic to aquatic life with long lasting effects

**Precautionary Statements**

**P234** Keep only in original packaging.  
**P260** Do not breathe dust, fume, gas, mist, vapours or spray.  
**P264** Wash hands and face thoroughly after handling.  
**P273** Avoid release to the environment.  
**P280** Wear protective gloves, protective clothing, and eye/face protection.  
**P301+P330+P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
**P303+P361+P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
**P304+P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazard (H) and precautionary (P) statements and pictograms conform to GHS Rev. 9. The full classification rationale is in the downloadable SDS PDF.

### 3 Composition / Information on Ingredients

| Component              | CAS No.   | Formula | Concentration |
|------------------------|-----------|---------|---------------|
| Sodium Hypochlorite 6% | 7681-52-9 | —       | 6% (w/w)      |

Concentrations are nominal; lot-specific values appear on the Certificate of Analysis. Components not contributing to classification are omitted.

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## 4 First-Aid Measures

|            |                                                                                                                                                                                        |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eyes       | Rinse with plenty of water for at least 15 minutes.<br>Remove contact lenses if present and easy to do.<br>Continue rinsing. Seek medical attention immediately.                       |
| Skin       | Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing. Wash with soap. Get medical attention immediately.                                |
| Inhalation | Move person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately. |
| Ingestion  | Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention immediately.                             |

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## 5 Fire-Fighting Measures

|                                |                                                                                  |
|--------------------------------|----------------------------------------------------------------------------------|
| Suitable Extinguishing Media   | Dry chemical, CO <sub>2</sub> , water spray. Use water spray to cool containers. |
| Unsuitable Extinguishing 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.            |
| Hazardous Combustion Products  | May include carbon oxides and other toxic fumes. See Section 10.                 |

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## 6 Accidental Release Measures

|                           |                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------|
| Personal Precautions      | Use PPE as described in Section 8. Ensure adequate ventilation. Evacuate personnel to safe areas. |
| Environmental Precautions | Prevent leakage or spillage from entering drains,                                                 |

#### Containment & Cleanup

sewers, or waterways.

Absorb with inert material. Collect in appropriate waste container. Dispose per applicable regulations.

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## 7 Handling and Storage

#### 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.

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## 8 Exposure Controls / Personal Protection

#### Occupational Exposure Limits

No established occupational exposure limits.

|                        |                                                                                                                                                                                                                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering Controls   | Use adequate ventilation. Provide eyewash stations and quick-drench showers accessible to areas of use.                                                                                                                                                                                   |
| Eye/Face Protection    | Wear chemical safety goggles or face shield.                                                                                                                                                                                                                                              |
| Skin Protection        | Wear chemical-resistant gloves and protective clothing.                                                                                                                                                                                                                                   |
| Respiratory Protection | For mist or aerosol applications (e.g., spray, atomization, pressure washing), use a NIOSH-approved half-face air-purifying respirator with combination acid gas / P100 cartridges. For dust exposure, an N95 or P100 particulate filter is acceptable. Ensure local exhaust ventilation. |

## 9 Physical & Chemical Properties

|                                              |                                               |
|----------------------------------------------|-----------------------------------------------|
| Appearance                                   | Yellow-green liquid with strong chlorine odor |
| Odor                                         | No data available                             |
| Odor Threshold                               | No data available                             |
| pH                                           | No data available                             |
| Melting Point / Freezing Point               | No data available                             |
| Boiling Point                                | 101°C (dilute)                                |
| Flash Point                                  | No data available                             |
| Evaporation Rate                             | No data available                             |
| Flammability (solid, gas)                    | No data available                             |
| Upper/Lower Flammability or Explosive Limits | No data available                             |
| Vapor Pressure                               | No data available                             |
| Vapor Density                                | No data available                             |
| Relative Density                             | 1.085 - 1.095                                 |
| Solubility                                   | No data available                             |
| Partition Coefficient (n-octanol/water)      | No data available                             |
| Auto-ignition Temperature                    | No data available                             |
| Decomposition Temperature                    | No data available                             |
| Viscosity                                    | No data available                             |
| Particle Characteristics                     | Not applicable                                |
| Color                                        | Clear/Greenish Yellow                         |

Values shown reflect product-specific canonical data. Lot-specific ranges may vary; see the Certificate of Analysis for the shipped lot.

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## 10 Stability and Reactivity

|                                    |                                                                                   |
|------------------------------------|-----------------------------------------------------------------------------------|
| Chemical Stability                 | Stable under recommended storage conditions.                                      |
| Possibility of 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). |
| Hazardous Decomposition Products   | May produce carbon oxides and other toxic fumes when heated to decomposition.     |

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## 11 Toxicological Information

See Section 2 for GHS hazard classification.

### Carcinogen Classification

| Agency | Status                                                                                                                         |
|--------|--------------------------------------------------------------------------------------------------------------------------------|
| IARC   | Group 3 — not classifiable as to its carcinogenicity to humans (Sodium hypochlorite; IARC agent: Hypochlorite salts, Vol. 52). |
| NTP    | Not listed as carcinogen.                                                                                                      |
| OSHA   | Not listed as carcinogen.                                                                                                      |

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## 12 Ecological Information

|                             |                                                                                                                                                                                                                               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aquatic Hazard              | <b>H400</b> Very toxic to aquatic life<br><b>H410</b> Very toxic to aquatic life with long lasting effects                                                                                                                    |
| Ecotoxicity                 | Algae ErC50: 0.036 mg/L (72 h, Green algae); Daphnia EC50: 0.141 mg/L (48 h, Daphnia magna); Fish LC50: 0.58 mg/L (96 h, Lepomis macrochirus (bluegill sunfish)); Algae NOEC (chronic): 0.005 mg/L (72 h, Green algae (NOEC)) |
| Persistence & Degradability | Not applicable (inorganic; reactive oxidizer, decomposes rapidly). Very toxic to aquatic life (algae M-factor 10).                                                                                                            |
| Bioaccumulative Potential   | Not Available                                                                                                                                                                                                                 |
| Mobility in Soil            | Not Available                                                                                                                                                                                                                 |

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## 13 Disposal Considerations

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

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## 14 Transport Information

### US DOT (49 CFR)

|                      |                        |
|----------------------|------------------------|
| UN Number            | UN1791                 |
| Proper Shipping Name | Hypochlorite solutions |
| Hazard Class         | 8                      |
| Packing Group        | III                    |

IMDG / IATA classifications may differ. Refer to the downloadable SDS PDF for international transport details. Verify current regulations before international shipment.

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## 15 Regulatory Information

| Inventory / List             | Status     |
|------------------------------|------------|
| California Proposition 65    | Not listed |
| US EPA TSCA Active Inventory | Listed     |
| EPCRA SARA 313 (TRI)         | Not listed |

SARA 311/312 hazard categories correspond to the GHS classification in Section 2. Data retrieved as of: California Proposition 65 2026-09-02; US EPA TSCA Active Inventory 2026-09-02; EPCRA SARA 313 (TRI) 2026-09-02.

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## 16 Other Information

|               |                                                                            |
|---------------|----------------------------------------------------------------------------|
| Revision Date | 2026-07-17                                                                 |
| GHS Format    | GHS Rev. 9 (2021), 16-section format per OSHA HCS 2024 (29 CFR 1910.1200). |

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