

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Sodium Bisulfite 25% Solution – Technical Grade (NaHSO<sub>3</sub>)  
**Synonyms:** sodium hydrogen sulfite, Sodium Bisulfite – (NaHSO<sub>3</sub>)  
**CAS Number:** 7631-90-5  
**Grade/Purity:** Technical Grade  
**Product Type:** Salts  
**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](http://www.alliancechemical.com)  
**Emergency:** CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

**2. HAZARDS IDENTIFICATION**

**Signal Word:** Warning

**GHS Pictograms:**



**Hazard Statements:**

H302	Harmful if swallowed [Warning Acute toxicity, oral]
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**Precautionary Statements:**

P264,	P270, P301+P317, P330, and P501
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**3. COMPOSITION / INFORMATION ON INGREDIENTS**

COMPONENT	% MIN	% MAX	CAS #	EINECS# / ELINCS#	FORMULA	MOLECULAR WEIGHT
Sodium Bisulfite	25% w/w	25% w/w	7631-90-5	231-548-0	HNaO <sub>3</sub> S	104.06 g/mol
Water	75	75	7732-18-5	231-791-2	H <sub>2</sub> O	18.02 g/mol

**4. FIRST-AID MEASURES**

<b>Eyes</b>	Eye: IRRIGATE IMMEDIATELY - If this chemical contacts the eyes, immediately wash (irrigate) the eyes with large amounts of water, occasionally lifting the lower and upper lids. Get medical attention immediately.
<b>Skin</b>	Rinse skin with plenty of water or shower.
<b>Inhalation</b>	Breathing: FRESH AIR - If a person breathes large amounts of this chemical, move the exposed person to fresh air at once. Other measures are usually unnecessary.
<b>Ingestion</b>	Swallow: MEDICAL ATTENTION IMMEDIATELY - If this chemical has been swallowed, get medical attention immediately. (NIOSH, 2024)

**5. FIRE-FIGHTING MEASURES**

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

## 6. ACCIDENTAL RELEASE MEASURES

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

## 7. HANDLING AND STORAGE

<b>Safe Handling</b>	Use with adequate ventilation. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Keep container closed when not in use.
<b>Safe Storage</b>	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.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear, colorless to pale yellow liquid
<b>Odor</b>	Characteristic
<b>Median Particle Size</b>	Not Applicable
<b>Particle Size Distribution</b>	Not Applicable
<b>Particle Shape</b>	Not Applicable
<b>Surface Area</b>	Not Applicable
<b>Dustiness</b>	Not Applicable
<b>Hygroscopicity</b>	Not Applicable
<b>pH</b>	Not Available
<b>Melting Point</b>	Not Available
<b>Boiling Point</b>	Not Available
<b>Flash Point</b>	Not applicable (aqueous solution; not classified as flammable)
<b>Vapor Pressure</b>	Not Available
<b>Specific Gravity</b>	1.33
<b>Solubility</b>	Soluble in water and alcohol
<b>Molecular Formula</b>	HNaO <sub>3</sub> S
<b>Molecular Weight</b>	104.06 g/mol

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity:** See Section 2 for GHS hazard classification.

<b>IARC</b>	Not listed as carcinogen.
<b>NTP</b>	Not listed as carcinogen.
<b>OSHA</b>	Not listed as carcinogen.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Daphnia EC50: ~ 102 mg/L (100 h, Daphnia magna — 100-h toxicity threshold (non-standard window)); Fish LC50: 240 mg/L (96 h, Gambusia affinis, turbid water 17–22 °C)
<b>Persistence</b>	Not persistent (inorganic; bisulfite oxidizes to sulfate); raises aquatic COD — Rapid biological decomposition (oxidizes to sulfate)
<b>Bioaccumulation</b>	Not Available
<b>Mobility in Soil</b>	Slight soil absorption/mobility

## 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

<b>US DOT</b>	UN2693, Bisulfites, aqueous solutions, n.o.s. (Sodium bisulfite), 8, PG III
<b>IMDG</b>	UN2693, Bisulfites, aqueous solutions, n.o.s. (Sodium bisulfite), 8, PG III
<b>IATA/ICAO</b>	UN2693, Bisulfites, aqueous solutions, n.o.s. (Sodium bisulfite), 8, PG III
<b>Marine Pollutant</b>	No

## 15. REGULATORY INFORMATION

Regulatory listings not yet on file in this system; consult OSHA, EPA TSCA, EPCRA TRI, and California OEHHA directly.

<b>SARA 311/312</b>	See Section 2 for hazard classifications.
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## 16. OTHER INFORMATION

**Revision Date:** 07/01/2026

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