

# Safety Data Sheet (SDS)

## Section 1: Identification

**Product identifier:** Acid Neutralizer  
**Other name(s):** Sodium carbonate solution  
**Item number(s):** 203  
**Identified use:** SU24 Scientific research and development.  
**Details of the supplier of the safety data sheet:**  
ES Laboratory, LLC  
2041 E. Gladstone St. Unit N Glendora, CA 91740 USA  
Tel: 626-208-9011  
**Emergency telephone number:**  
CHEMTREC® 1-800-424-9300 (US & Canada Only)

## Section 2: Hazard(s) Identification

**Hazardous classification of the substance or mixture:** Not a hazardous substance or mixture.  
**Signal word:** N/A  
**Pictogram:** N/A  
**Hazard statement(s):** None  
**Precautionary statement(s):**  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
**Response statement(s):** None  
**Storage statement(s):** None  
**Disposal statement(s):**  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.  
**Hazard(s) not otherwise classified:** No information.  
**Label elements:** See tables above  
**HMIS Ratings:**  
Health: 2  
Flammability: 0  
Reactivity: 0  
**NFPA Ratings:**  
Health: 2  
Flammability: 0  
Reactivity: 0  
Special hazard: None

## Section 3: Composition/Information on Ingredients

Component	CAS No.	Concentration (wt%)
Sodium carbonate	497-19-8	5-10%

Any concentration shown as a range is to protect the confidentiality or is due to batch variation. Only hazardous components are shown.

## Section 4: First-Aid Measures

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical aid immediately.  
**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid immediately.  
**Skin contact:** Wash the areas of contact with water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately.  
**Ingestion:** Rinse mouth. Get medical aid immediately.  
**Most important symptoms and effects, both acute and delayed:** No information.  
**Recommendation for immediate medical care and special treatment needed, when necessary:** No information.

## Section 5: Fire-Fighting Measures

**General Information:** This product itself does not burn.  
**Extinguishing media:** Water, dry chemical, foam, or carbon dioxide.  
**Special hazards arising from the substance or mixture:** In the case of fire, the following can be released: carbon oxides, sodium oxides.

**Special protective equipment or precautions for firefighters:** Wear full protective clothing and a self-contained respirator.

## Section 6: Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:** Wear protective equipment. Keep unprotected persons away.  
**Environmental precautions:** Do not allow the material to be released to the environment without proper government permits.  
**Methods and materials for containment and cleaning up:** Use a neutralizing agent. Absorb with a liquid binding material (sand, diatomite, acid binder, universal binders, sawdust). Dispose of contaminated material as waste according to section 13.

## Section 7: Handling and Storage

**Precautions for safe handling:** Wear protective equipment. Ensure adequate ventilation.  
**Condition for safe storage:** Keep container tightly sealed.  
**Incompatibilities:** Store away from strong acids.  
**Specific storage requirement(s):** No information.

## Section 8: Exposure Controls/Personal Protection

### Exposure Limits

Component	CAS No.	ACGIH TLV	OSHA PEL
Sodium carbonate	497-19-8	No information	No information

**Engineering controls:** Use general and/or local exhaust ventilation to control the vapor concentration.  
**Eye protection:** Wear safety glasses or goggles.  
**Skin protection:** Wear protective clothing and chemical-resistant gloves.  
**Respiratory protection:** Use a self-contained respiratory device in an emergency situation.

## Section 9: Physical and Chemical Properties

**Appearance:** Clear liquid  
**UFL/LEL:** Not determined  
**LFL/LEL:** Not determined  
**Odor:** No odor  
**Vapor pressure:** Not determined  
**Odor threshold:** Not determined  
**Vapor density:** Not determined  
**pH:** >10  
**Relative density:** Not determined  
**Melting Point/Freezing point:** Not determined  
**Solubility in water:** Miscible  
**Boiling point/boiling range:** Not determined  
**Flash point:** Not determined  
**Evaporation Rate:** Not determined  
**Flammability (solid, gas):** Not applicable  
**Partition coefficient (n-octanol/water):** Not determined  
**Auto-ignition temperature:** Not determined  
**Decomposition temperature:** Not determined  
**Viscosity:** Not determined

## Section 10: Stability and Reactivity

**Reactivity:** No information.  
**Chemical stability:** Stable under recommended storage conditions.  
**Stabilizer(s):** Not required.  
**Safety issues that may arise should the product change in appearance:** No information.  
**Thermal decomposition/ conditions to Avoid:** Decomposition will not occur if used and stored according to specifications.  
**Possibility of hazardous reactions:** see incompatibilities.

**Incompatibilities:** Strong acids.

**Hazardous decomposition products:** carbon oxides and sodium oxides, when heated to decomposition.

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## Section 11: Toxicological Information

### For Sodium Carbonate:

**Acute toxicity:**

Oral rat LD50: 4090 mg/kg.

Inhalation rat LC50: 2H 5750 mg/l

**Other exposure effect:**

On the Skin: Irritation effect.

On the Eye: Irritation effect.

Sensitization: No sensitizing effects were known.

**Additional toxicological information:** To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from NTP, OSHA, or IARC.

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## Section 12: Ecological Information

### Toxicity:

**Aquatic toxicity:** No information.

**Persistence and degradability:** No information.

### Behavior in environmental system:

**Bioaccumulative potential:** No information.

**Mobility in soil:** No information.

**Additional ecological information:** Avoid transfer into the environment.

**Other adverse effects:** No information.

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## Section 13: Disposal Considerations

Place in a chemical waste container for proper disposal in an approved waste disposal facility. Dispose of the content and container in accordance with local, regional, national, international regulations.

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## Section 14: Transport Information

**D.O.T. shipping name:** N/A, not a hazardous material.

**D.O.T. hazard class:** N/A

**UN number:** N/A

**Packing group:** N/A

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## Section 15: Regulatory Information

### Not meant to be all inclusive, selected regulation represented

**OSHA status:** No information

**TSCA status:** No information

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## Section 16: Other Information

**Disclaimer:** The information above is believed to be accurate and represents the best information currently available to us.

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