



SAFETY DATA SHEET

1. Identification:

Product identifier: SODIUM BICARBONATE
Other means of identification: Baking Soda, Bicarbonate of Soda
Recommended use: All proper and legal purposes
Recommended Restrictions: None known
Manufacturer / Importer / Supplier / Distributor Information: **Manufacturer**
Company Name: Carbonfree Chemicals SPE I LLC
Address: 11503 Bulverde Road
San Antonio, Texas, 78217
United States of America
Plant Telephone Number: 210-476-5906
Emergency Telephone Number: **CHEMTREC - Day or Night**
Within USA and Canada:
800-424-9300 or +1-703-527-3887 (collect calls accepted)

2. Hazard(s) Identification:

GHS-US Classification: Eye Irritation. 2B H320
Other Hazards: None
Label Elements:
Signal Word: Warning
Hazard Statement: Causes eye irritation (H320).
Precautionary Statement: P264- Wash exposed skin thoroughly after handling.
P305+P351+P338- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. P337+P313 – If eye irritation persists, get medical attention.
Hazard(s) Not Otherwise Classified (HNOC): None

3. Composition / Information on Ingredients:

Mixtures:

Component Name:	Formula:	CAS Number:	Formula Weight:	Percentage of Composition:
SODIUM BICARBONATE	NaHCO ₃	144-55-8	84.008	Minimum 98%

4. First-aid measures:

General Inhalation: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. Assure fresh air breathing. Allow the victim to rest.
Skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

Material name: Sodium Bicarbonate
79951-4 Revision 1, Issue date: 03-8-2019

Eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
Ingestion of greater than medicinal quantity: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
Indication of immediate medical attention and special treatment needed: No additional information available.

5. Fire-Fighting Measures:

Extinguishing Media:
Suitable Extinguishing Media: Foam. Dry Powder. Carbon Dioxide. Water Spray. Sand.
Unsuitable Extinguishing Media: Do not use a heavy water stream.
Special Hazards: No additional information.



- Firefighting Instructions:** Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water runoff to the environment.
- Personal Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental release measures:

Personal Precautions, Protective Equipment and Emergency Procedures:

Non-Emergency Personnel:

Protective Equipment: Safety Glasses. Gloves.
Emergency Procedures: Evacuate unnecessary personnel.

Emergency Responders:

Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Ventilate area.

Environmental Precautions: Prevent entry to sewers and public water. Notify authorities if liquid enters sewers or public waters.

Methods and Material for Containment and Cleanup: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store separate from other materials.

Referent to Other Sections: See Heading 8. Exposure Controls and Personal Protection.

7. Handling and Storage:

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

Condition for Safe Storage, Including Any Incompatibilities:

Storage Conditions: Keep cool. Keep container closed when not in use.

Incompatible Products: Strong oxidizers. Strong acids.

Incompatible Materials: Moisture. Heat Sources.

Specific End Uses(s): No additional information available.

8. Exposure controls/personal protection:

Exposure Controls:

Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of potential exposure. Provide adequate general and local exhaust ventilation.

Personal protective equipment: Avoid all unnecessary exposure.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Respiratory protection: Wear appropriate mask.

Other Information: Do not eat, drink, or smoke during use.

9. Physical and Chemical Properties:

Appearance: Powder.

Physical State: Solid.

Molecular Mass: 84.01 g/mol.

Color: White.

Odor: None.

Odor Threshold: Not Applicable.

pH: 8.3 for 0.1 M solution

Melting / Freezing point: 270 C

Initial boiling point and boiling range: Not available.

Flash Point: Not available.

Evaporation rate: Not available.

Flammability (solid, gas);

Upper Flammable / Not available.

Explosive Limit:

Lower Flammable / Not available.

Explosive Limit:

Vapor Pressure: Not available.

Vapor Density: Not available.

Relative Density of gas: Not available.



Solubility in Water: 6.9 g / 100 ml.
Auto-Ignition Temperature: Not available.
Decomposition Temperature: Not available.
Viscosity: Not available.
Other Information:
Density: 2.159 g / cm³
Explosive Properties: Not applicable.
Flammability class: Not applicable.
Oxidizing Properties: None.
General Statement: Technical grades not for human consumption.

10. Stability and Reactivity:

Reactivity: No additional information available.
Chemical Stability: No additional information available.
Possibility of Hazardous Reactions: Reacts vigorously with oxidizers and acids.
Conditions to Avoid: Moisture. Incompatible Materials. High Temperature.
Incompatible Materials: Strong Acids. Strong Oxidizers.
Hazardous Decomposition Products: Carbon Monoxide. Carbon Dioxide.

11. Toxicological information:

Information on Toxicological Effects:
Acute Toxicity: Not classified.
Skin Corrosion / Irritation: Not classified.
Serious Eye Damage / Eye Irritation: Causes eye irritation.
Respiratory or Skin Sensitization: Not classified.
Germ Cell Mutagenicity: Not classified.
Carcinogenicity: Not classified.
Reproductive Toxicity: Not classified.
Specific Target Organ Toxicity – (Single Exposure): Not classified.
Specific Target Organ Toxicity – (Repeated Exposure): Not classified.
Aspiration Hazard: Not classified.
Potential Adverse Human Health Effects and Symptoms: Based on available data, the classification criteria are not met.
Symptoms / Injuries After Eye Contact: Causes eye irritation.

12. Ecological information

Toxicity

Sodium Bicarbonate (CAS 144-55-8)	
LC50 fishes 1	8250-9000 mg./l
EC50 Daphnia 1	2350 mg/l

Persistence and degradability

Sodium Bicarbonate (CAS 144-55-8)	
Persistence and degradability	Not established

Bioaccumulative potential

Sodium Bicarbonate (CAS 144-55-8)	
Bioaccumulative potential	Not established



Mobility in Soil: No additional information available.
Other Adverse Effects:
Other Information: Avoid release to the environment.

13. Disposal Considerations:

Disposal Instruction: Dispose in a safe manner in accordance with local / national regulations.
Ecology – waste materials: Avoid release to the environment.

14. Transport Information:

UN Number: Not applicable.
UN Proper Shipping Name: Not Regulated.
Transport Hazard Class(es):
Class: NA
Subsidiary Risk:

15. Regulatory information:

15.1 U. S. Federal Regulations

Sodium Bicarbonate (144-55-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Sodium Bicarbonate (144-55-8)	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

15.2 International regulations

Canada - International

Sodium Bicarbonate (144-55-8)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Material name: Sodium Bicarbonate

SDS US

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2 Canadian - National regulations

Sodium Bicarbonate (144-55-8)	
Not listed on the Canadian Ingredient Disclosure List	

15.3 U.S. State regulations

No additional information available

16. Other information, including date of preparation or last revision

Full text of H-phrases: see section 16:

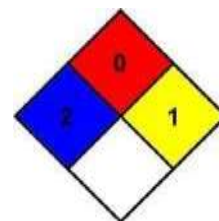
Eye Irrit. 2B	Serious eye damage/eye irritation, Category 2B
H320	Causes eye irritation



NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 0 Minimal Hazard

Physical : 1 Slight Hazard

Personal Protection : E

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