

## Sodium Bicarbonate Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sodium Bicarbonate

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261  
Chemtrec Emergency Phone Number: (800) 424-10286

Signal Word  
**WARNING**

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral (Category 5). May be harmful if swallowed (H303).

Pictograms

Product should be treated as a chemical and is not for consumption as it has been stored with other nonfood-grade chemicals.

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium bicarbonate	144-55-8	NaHCO <sub>3</sub>	84.01	
Synonyms: Sodium hydrogen carbonate; Baking soda				

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

**If on skin:** Wash with plenty of water.

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Noncombustible solid.

When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher.

NFPA Code  
None established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

### SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Inorganic #4. Store with hydroxides, oxides, silicates and carbonates.

Stable under dry storage conditions. Slowly decomposes in moist air. Store in a Flinn Chem-Saf™ bag.

### SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling.

### SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

White powder or crystals (frequently in lumps). Odorless.

Soluble: Water. Insoluble in alcohol.

Melting point: loses carbon dioxide at 270 °C

Specific gravity: 2.2

Not for human consumption.

### SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizers and strong acids.

Shelf life: Indefinite, if kept dry. See Section 7 for further information.

### SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Gastrointestinal disturbances, irritating dust

Chronic effects: N/A.

Target organs: N/A.

ORL-RAT LD<sub>50</sub>: 4220 mg/kg

IHL-RAT LC<sub>50</sub>: N/A.

SKN-RBT LD<sub>50</sub>: N/A.

### SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

### SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #26a is one option.

### SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

### SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (205-633-8).

### SECTION 16 — OTHER INFORMATION

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N/A = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.

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