

## Sodium Carbonate Monohydrate Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sodium Carbonate Monohydrate

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261  
Chemtrec Emergency Phone Number: (800) 424-10301

**Signal Word**  
**WARNING**

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Eye irritation (Category 2A). Causes serious eye irritation (H319).



### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

| Component Name                | CAS Number | Formula                                           | Formula Weight | Concentration |
|-------------------------------|------------|---------------------------------------------------|----------------|---------------|
| Sodium carbonate, monohydrate | 1486118    | Na <sub>2</sub> CO <sub>3</sub> •H <sub>2</sub> O | 124            |               |
| Synonyms: Soda ash            |            |                                                   |                |               |

### 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 (P305+P351+P338). **If eye irritation persists eyes:** Get medical advice or attention (P337+P313).

**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.

Store in a cool dry place. Efflorescent, store in Flinn Chem-Saf™ bag. Keep container tightly closed.

### 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 small crystals or crystalline powder. Odorless.

Soluble: Water and glycerin. Insoluble in alcohol.

Melting point: 100 °C (decomposes)

Specific gravity: 2.25

### SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong acids, aluminum. Reacts vigorously with fluorine.

Shelf life: Efflorescent. See Section 7 for further information.

### SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritant

Chronic effects: N.A.

Target organs: N.A.

ORL-RAT LD<sub>50</sub>: N.A.

IHL-RAT LC<sub>50</sub>: 2300 mg/m<sup>3</sup>/2H

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.

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (207-838-8).

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**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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