



SDS #: 716

Revision Date: July 11, 2016

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## Sodium Carbonate Safety Data Sheet (SDS)

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

## Sodium Carbonate

Signal Word  
WARNING

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-10300

Pictograms

## SECTION 2 — HAZARDS IDENTIFICATION

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



Hazard class: Skin corrosion or irritation (Category 3). Causes mild skin irritation (H316).

Hazard class: Serious eye damage or irritation (Category 2A). Causes serious eye irritation (H319).

## SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium carbonate, anhydrous	497-19-8	Na <sub>2</sub> CO <sub>3</sub>	105.99	
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 skin irritation occurs: Get medical advice or attention (P332+P313).

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

## SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.

NFPA Code

When heated to decomposition, may emit toxic fumes.

None established

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

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## SECTION 6 — ACCIDENTAL RELEASE MEASURES

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Do not allow solid to become airborne. Ventilate area. Wipe up, place in sealed bag or container and dispose. Wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

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## SECTION 7 — HANDLING AND STORAGE

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Flinn Suggested Chemical Storage Pattern: Inorganic #4. Store with hydroxides, oxides, silicates and carbonates. Hygroscopic. Keep container tightly closed. Store in Flinn Chem-Saf™ bag. Store in a cool dry place.

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## SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).

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## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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White crystals or powder. Odorless.

Soluble: Water and glycerol. Insoluble in alcohol.

Melting point: 856 °C

Specific gravity: 2.54

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## SECTION 10 — STABILITY AND REACTIVITY

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

Shelf life: Fair, hygroscopic. See Section 7 for further information.

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## SECTION 11 — TOXICOLOGICAL INFORMATION

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Acute effects: Irritant

Chronic effects: N.A.

Target organs: Investigated as a mutagen.

ORL-RAT LD<sub>50</sub>: 4090 mg/kg

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

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

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## SECTION 12 — ECOLOGICAL INFORMATION

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LC<sub>50</sub> 96 Hr *Lepomis macrochirus*: 300 mg/L EC<sub>50</sub> 48 Hr *Daphnia magna*: 265 mg/L

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## SECTION 13 — DISPOSAL CONSIDERATIONS

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

Flinn Suggested Disposal Method #26a is one option.

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## SECTION 14 — TRANSPORT INFORMATION

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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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