# FLINN SCIENTIFIC, INC. Safety Data Sheet (SDS)

**SDS #:** 716.00

Revision Date: March 21, 2014

# SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

# **Sodium Carbonate**

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

CHEMTREC Emergency Phone Number: (800) 424-9300 Signature 1

Signal Word WARNING

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).

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SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium carbonate, anhydrous	497-19-8	$Na_2CO_3$	105.99	
Synonym: 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:** 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. When heated to decomposition, may emit toxic fumes. NFPA CODE

None established

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

#### **SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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**

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

Hygroscopic. Keep container tightly closed. Store in Flinn Chem-Saf<sup>TM</sup> bag. Store in a cool dry place.

#### SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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

## **SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

White crystals or powder. Odorless.

Soluble: Water and glycerol. Insoluble in alcohol.

Melting point: 856 °C Specific gravity: 2.54

# **SECTION 10 — STABILITY AND REACTIVITY**

Avoid contact with acids, aluminum. Reacts vigorously with fluorine. Shelf life: Fair, hygroscopic. See Section 7 for further information.

#### SECTION 11 — TOXICOLOGICAL INFORMATION

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.

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

# **SECTION 12 — ECOLOGICAL INFORMATION**

LC<sub>50</sub> 96 Hr *Lepomis macrochirus*: 300 mg/L

#### **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.

N/A = Not applicable

## **SECTION 15 — REGULATORY INFORMATION**

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

#### **SECTION 16 — OTHER INFORMATION**

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

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