

## Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Soda Lime

Signal Word  
**DANGER**

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

Chemtrec Emergency Phone Number: (800) 424-10277

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 1). Causes severe skin burns and eye damage (H314).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Soda lime	8006-28-8	Unspecified	188.2	
Soda Lime is a mixture of potassium hydroxide, calcium hydroxide, and sodium hydroxide				

### SECTION 4 — FIRST AID MEASURES

Immediately call a POISON CENTER or physician (P310).

**If inhaled:** Remove victim to fresh air in a position comfortable for breathing (P304+P340).

**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 on skin:** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353). Wash contaminated clothing before reuse (P363).

**If swallowed:** Rinse mouth. Do NOT induce vomiting (P301+P330+P331).

### 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.

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

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Do not allow solid to become airborne. Ventilate area, wipe up with wet towels. 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. Air and moisture sensitive material. Must be stored in an airtight container. Store in a Flinn Chem-Saf™ bag.

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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 or grayish-white granules. Odorless. Specific gravity: 2.2  
Mixture of sodium hydroxide and lime (calcium oxide).  
Soluble: Water

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## **SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with strong acids. Absorbs carbon dioxide from air.  
Shelf life: Poor, unless kept tightly capped. See Section 7 for further information.

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## **SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Corrosive	ORL-RAT LD <sub>50</sub> : 3530 mg/kg.
Chronic effects: N.A.	IHL-RAT LC <sub>50</sub> : N.A.
Target organs: N.A.	SKN-RBT LD <sub>50</sub> : N.A.

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## **SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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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 #10 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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RCRA code D002.

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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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