

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 697.00

Revision Date: April 14, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Soda Lime

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

CHEMTREC Emergency Phone Number: (800) 424-9300

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Soda Lime

Soda Lime is a mixture of potassium hydroxide, calcium hydroxide, and sodium hydroxide

CAS#: 8006-28-8

SECTION 3 — HAZARDS IDENTIFICATION

White or grayish-white granules. Odorless.

Corrosive to body tissues. Slightly toxic by ingestion. Avoid all body tissue contact.

FLINN AT-A-GLANCE

Health-1

Flammability-0

Reactivity-1

Exposure-2

Storage-1

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician and seek medical attention for further treatment, observation, and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped, give artificial respiration immediately.

Eye or External: Immediately flush with fresh water for at least 15 minutes.

Internal: Do NOT induce vomiting. Rinse mouth. Give large quantities of water for dilution. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.

NFPA CODE

None
established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area. 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.

SECTION 7 — HANDLING AND STORAGE

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

Moisture sensitive material. Store in a cool dry place. Must be stored in an airtight container. Store in a Flinn Chem-Saf bag.

Use and dispense in a hood.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use exhaust ventilation to keep airborne concentrations low.

Exposure Guidelines: STEL 2 mg/m³ as potassium hydroxide (OSHA)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

White or grayish-white granules. Odorless.
Mixture of sodium hydroxide and lime (calcium oxide).
Solubility: Soluble in water.

Specific gravity: 2.2

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong acids.
Shelf life: Poor, unless kept tightly capped.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Corrosive
Chronic effects: N.A.
Target organs: N.A.

ORL-RAT LD₅₀: 273 mg/kg as potassium hydroxide
IHL-RAT LC₅₀: N.A.
SKN-RBT LD₅₀: N.A.

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

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 #10 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

RCRA code D002.

SECTION 16 — OTHER INFORMATION

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