# **SDS #:** 192.00 **Revision Date:** March 21, 2014

DANGER

# SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

# Calcium Turnings

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

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word

# SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Substances and mixtures which, in contact with water, emit flammable gases (Category 2). In contact with water releases flammable hydrogen gas (H261). Handle under inert gas. Protect from moisture (P231+P232).

Pictograms				

# SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

<u>Component Name</u>	CAS Number	Formula	Formula Weight	Concentration
Calcium (metal)	7440-70-2	Са	40.08	

# SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

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. If on skin: Brush off loose particles from skin (P335). Then wash with plenty of water.

If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell. Brush off loose particles from skin (P335).

# SECTION 5 — FIRE FIGHTING MEASURES

Flammable solid.	NFPA CODE
Violent reaction with water. Produces hydrogen.	H-3
In case of fire: Use Class D, Met-L-X, or dry sand as a fire extinguisher. Avoid water contact, violent reaction	
with water.	R-2
	No Water

# SECTION 6 — ACCIDENTAL RELEASE MEASURES

Remove all ignition sources and water. Sweep up the spill, place in a 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 #1. Store with metals and metal hydrides. Handle under inert gas. Protect from moisture (P231+P232). Keep container tightly closed (P233). Store in a Flinn Chem-Saf<sup>TM</sup> bag and then inside a Finn Saf-Stor<sup>1M</sup> can.

## SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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

# SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Silver-white, soft metal. Odorless. Soluble: Acid. Decomposes in water to liberated hydrogen. Boiling point: 1440 °C Melting point: 842 °C Specific gravity: 1.55

# SECTION 10 — STABILITY AND REACTIVITY

Highly reactive with water and oxidizing agents. Contact with water will evolve extremely flammable hydrogen gas. Shelf life: Good, but only if stored under airtight conditions.

## SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Skin, eye, and mucous membrane irritant due to the presence of water. Chronic effects: N.A. Target organs: 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 #3 is one option.

## **SECTION 14 — TRANSPORT INFORMATION**

Shipping name: Calcium. Hazard class: 4.3, Dangerous when wet. UN number: UN1401.

#### N/A = Not applicable

### **SECTION 15 — REGULATORY INFORMATION**

TSCA-listed, EINECS-listed (231-179-5), RCRA code D001, D003.

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

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Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals. Revision Date: March 21, 2014

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ORL-RAT LD<sub>50</sub>: N.A. IHL-RAT LC50: N.A.

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