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

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).

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 3 — COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS Number</th>
<th>Formula</th>
<th>Formula Weight</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium (metal)</td>
<td>7440-70-2</td>
<td>Ca</td>
<td>40.08</td>
<td></td>
</tr>
</tbody>
</table>

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.
Violent reaction with water. Produces hydrogen.
In case of fire: Use Class D, Met-L-X, or dry sand as a fire extinguisher. Avoid water contact, violent reaction with water.

NFPA CODE

<table>
<thead>
<tr>
<th></th>
<th>H-3</th>
<th>F-1</th>
<th>R-2</th>
<th>No Water</th>
</tr>
</thead>
</table>

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.

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SECTION 7 — HANDLING AND STORAGE


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. Boiling point: 1440 °C
Soluble: Acid. Decomposes in water to liberated hydrogen. 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.
ORL-RAT LD₅₀: N.A.
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 #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

This Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

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

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