

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 812.00

Revision Date: October 20, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Thermit Igniting Stick

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

Thermit Igniting Stick

CAS#: None established

SECTION 3 — HAZARDS IDENTIFICATION

Silver gray metallic material on a copper stick. Odorless.

Substance is not considered hazardous. However, not all health aspects of this substance have been thoroughly investigated.

The igniting stick becomes a fire hazard if exposed to a flame or to temperatures of 570 °F or above.

FLINN AT-A-GLANCE

Health-0

Flammability-2

Reactivity-1

Exposure-0

Storage-3

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: Rinse mouth. Give large quantities of water for dilution. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Classification C explosive (Ex - 8903001) solid.

Dangerous fire risk; once reaction has started, it is very difficult to stop.

Fire Fighting Instructions: Use Class D, Met-L-X, or dry sand as a fire extinguisher. Avoid water contact, violent reaction with water. Firefighters should wear PPE and SCBA with full facepiece operating in positive mode.

NFPA CODE

None

established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area. Remove all ignition sources and water. Sweep up, place in 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.

Store in Flinn Saf-Stor can inside a dedicated flammables cabinet.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear dark safety glasses when igniting thermit or using thermit ignition sticks. Wear chemical splash goggles, heat-resistant gloves, and chemical-resistant apron when handling.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Silver gray, odorless metallic material on a copper stick.
Mixture of aluminum, barium nitrate, iron oxide and binder
(dextrin) on a copper stick.

SECTION 10 — STABILITY AND REACTIVITY

Avoid all sources of ignition, heat (i.e. open flame, sparks), and moisture.
Shelf life: Good, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

| | |
|-----------------------|---------------------------------|
| Acute effects: N.A. | ORL-RAT LD ₅₀ : N.A. |
| Chronic effects: N.A. | IHL-RAT LC ₅₀ : N.A. |
| Target organs: N.A. | SKN-RBT LD ₅₀ : 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.
Place in a pile of clean dry sand and ignite is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Igniters
Hazard class: 1.4. Explosive
UN number: UN0454
N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

Not listed.

SECTION 16 — OTHER INFORMATION

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