

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 812.00

Revision Date: March 21, 2014

### 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

Signal Word **DANGER**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Flammable solids (Category 1 or 2). Flammable solid (H228). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Thermit igniting stick	None established			

### 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:** Wash with plenty of water.

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Classification C explosive (Ex - 8903001) solid.

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

**In case of fire:** Use a Class D or dry sand as a fire extinguisher. Avoid water contact, violent reaction with water.

**NFPA CODE**

None

established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

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.

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**SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Inorganic #1. Store with metals and metal hydrides.  
Store in Flinn Saf-Stor™ can inside a dedicated flammables cabinet.  
Ground or bond container and receiving equipment (P240).  
Use explosion-proof electrical and ventilating equipment (P241).

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear dark safety glasses when igniting thermit or using thermit ignition sticks. Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling.

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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

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**SECTION 10 — STABILITY AND REACTIVITY**

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

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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

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

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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.  
Place in a pile of clean dry sand and ignite is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Igniters; Hazard class: 1.4. Explosive; UN number: UN0454

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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Not listed.

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**SECTION 16 — OTHER INFORMATION**

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

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