

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 731.00

Revision Date: December 13, 2013

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sodium Dithionite

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: Self-heating substances and mixtures (Category 1). Self-heating; may catch fire (H251). Keep cool. Protect from sunlight (P235+P410).

Hazard class: Acute toxicity, oral (Category 4). Harmful if swallowed (H302). Do not eat, drink or smoke when using this product (P270).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium dithionite	7775-14-6	Na <sub>2</sub> S <sub>2</sub> O <sub>4</sub>	174.11	
Synonym: Sodium hydrosulfite				

### 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. Continue rinsing.

**If on skin:** Wash with plenty of water.

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell (P302+P301+P312).

### SECTION 5 — FIRE FIGHTING MEASURES

Combustible solid.

When heated to decomposition, may emit toxic fumes. When in contact with water, produces toxic and corrosive material.

**In case of fire:** Use a tri-class dry chemical fire extinguisher.

**NFPA CODE**

H-2

F-1

R-2

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Ventilate area, remove all ignition sources and water. Wipe up, place in sealed bag or container and dispose. 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 #2. Store with acetates, halides, sulfates, sulfites, thiosulfates and phosphates. Contact with water produces a toxic and corrosive material. Keep container tightly closed. Store in a Flinn Chem-Saf™ bag.

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

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Wear protective gloves, protective clothing, and eye protection. Wash thoroughly after handling (P264)

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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White powder of flakes. Strong sulfurous odor.  
Soluble: Partially in water. Insoluble in alcohol.

Melting point: 52 °C (decomposes)  
Specific gravity: 2.19

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with water, strong oxidizers, strong acids and ignition sources. Contact with acid produces a poisonous gas. Contact with water produces toxic and corrosive material.

Shelf life: Poor. See Section 7 for further information.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Irritant, nausea, headache and vomiting  
Chronic effects: Possible allergic reaction  
Target organs: N.A.

ORL-RAT LD<sub>50</sub>: N.A.  
IHL-RAT LC<sub>50</sub>: 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.  
Flinn Suggested Disposal Method #12b is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Sodium dithionite; Hazard class: 4.2, Spontaneously combustible; UN number: UN1384

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (231-890-0), RCRA code D001, D003.

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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.