# Material Safety Data Sheet

## Science Stuff, Inc.
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Austin, TX 78753

Phone (512) 837-6020
Chemtrec 800-424-9300

24 Hour Emergency Assistance

## Section 1 Identification

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>C2714</td>
<td></td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

### Product Name:
Sodium Thiosulfate Reagent, A.C.S., Crystal

### Trade/Chemical Synonyms
Na’S'O''½H'0

### Formula:
CAS# 10102-17-7

### RTECS:
WE6660000

### C.A.S.

## Section 2 Component Mixture

<table>
<thead>
<tr>
<th>Sara</th>
<th>Component</th>
<th>CAS Number</th>
<th>Dim</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>313</td>
<td>Sodium Thiosulfate</td>
<td>CAS# 10102-17-7</td>
<td>100% W/W</td>
<td>TXDS: orl-hmn TDLo: 300 mg/Kg/7D</td>
</tr>
</tbody>
</table>

## Section 3 Hazard Identification (Also see section 11)

Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

## Section 4 First Aid Measures

Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

**FIRST AID:**
- **SKIN:** Wash exposed area with soap and water. If irritation persists, seek medical attention.
- **EYES:** Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- **INGESTION:** If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

## Section 5 Fire Fighting Measures

**Fire Extinguisher Type:**
- Carbon Dioxide, dry chemical powder or appropriate foam, water spray

**Fire/Explosion heating >100°C can cause flammable residue of sodium sulfide. Emits toxic fumes under fire conditions.**

**Fire Fighting Procedure:**
- Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

**Hazard Rating:** Least Slight Moderate High Extreme
- 0
- 1
- 2
- 3
- 4

NA = Not Applicable NE = Not Established

## Section 6 Accidental Release Measures

Evacuate area. Wear self-contained breathing apparatus and protective clothing. Eliminate all sources of ignition.

## Section 7 Handling and Storage

Store in a cool dry well ventilated area. Keep away from heat and flame. Do not get in eyes, on skin, or on clothing.

## Section 8 Exposure Controls & Personal Protection

Respiratory Protection: NIOSH/MSHA-approved respirator

**Ventilation:**
- Local Exhaust: Splash Goggles

**Other Protective Equipment:** Wear appropriate clothing to prevent skin exposure

## Section 9 Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Melting Point:</strong></td>
<td>48°C</td>
</tr>
<tr>
<td><strong>Boiling Point:</strong></td>
<td>&gt;212°F</td>
</tr>
<tr>
<td><strong>Vapor Pressure:</strong></td>
<td>not applicable</td>
</tr>
<tr>
<td><strong>Vapor Density:</strong></td>
<td>not applicable</td>
</tr>
<tr>
<td><strong>Solubility in Water:</strong></td>
<td>42%</td>
</tr>
<tr>
<td><strong>Appearance clear to white crystals:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Flash Point:</strong></td>
<td>not applicable</td>
</tr>
</tbody>
</table>

## Section 10 Stability and Reactivity Information

**Stability:** Stable  **Conditions to Avoid:** None known

**Materials to Avoid:** Oxidizing agents, acids, rels sulfur

**Hazardous Decomposition Products:** sulfur dioxide gas which is TOXIC

**Hazardous Polymerization:** Will Not Occur

**Condition to Avoid:** None known

## Section 11 Additional Information

**DANGER!!!** This material can emit TOXIC fumes of sulfur dioxide. Effects of over exposure: irritation of the eyes, skin and upper respiratory tract. Acute: inflammation of the respiratory tract and cyanosis. Chronic: WARNING!! Toxicity of this material has not yet been fully investigated. Target organs: eyes, skin and upper respiratory tract. Conditions aggravated/target organs. Persons with pre-existing eye, skin or respiratory tract may be more susceptible.

**DOT Classification:** Not Regulated

**DOT regulations may change from time to time. Please check official sources for the most current information.**

http://www.sciencestuff.com/msds/C2714.html
DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.

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Date Entered: 9/1/2006  
Approved by: WPF

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