SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Sodium Thiosulfate, Pentahydrate

Flinn Scientific, Inc.  P.O. Box 219,  Batavia, IL  60510  (800) 452-1261
CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word WARNING

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral (Category 4). Harmful if swallowed (H302).

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS Number</th>
<th>Formula</th>
<th>Weight Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium thiosulfate pentahydrate</td>
<td>10102-17-7</td>
<td>Na₂S₂O₃·5H₂O</td>
<td>248.19</td>
</tr>
</tbody>
</table>

Synonym: Sodium hyposulfite

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

Nonflammable solid.
When heated to decomposition, may emit toxic fumes.
In case of fire: Use a tri-class dry chemical fire extinguisher.

NFPA CODE  None
established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

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**


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

Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling.

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>White, translucent crystals or powder</td>
<td>Odorless</td>
</tr>
<tr>
<td>Soluble: Water. Insoluble in alcohol</td>
<td>Melting point: 48 °C (decomposes)</td>
</tr>
<tr>
<td>Specific gravity: 1.69</td>
<td></td>
</tr>
</tbody>
</table>

**SECTION 10 — STABILITY AND REACTIVITY**

Avoid contact with strong acids, strong oxidizers, lead, silver, mercury salts and iodine.

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

**SECTION 11 — TOXICOLOGICAL INFORMATION**

<table>
<thead>
<tr>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute effects: Irritant.</td>
<td>ORL-HUM LD₅₀: 300 mg/kg</td>
</tr>
<tr>
<td>Chronic effects: N.A.</td>
<td>IHL-RAT LC₅₀: N.A.</td>
</tr>
<tr>
<td>Target organs: N.A.</td>
<td>SKN-RBT LD₅₀: N.A.</td>
</tr>
</tbody>
</table>

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 #12b is one option.

**SECTION 14 — TRANSPORT INFORMATION**

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

**SECTION 15 — REGULATORY INFORMATION**

EINECS-listed (231-867-5).

**SECTION 16 — OTHER INFORMATION**

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