

## Sodium Thiocyanate Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sodium Thiocyanate

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261  
Chemtree Emergency Phone Number: (800) 424-10370

**Signal Word**  
**WARNING**

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral, dermal, and inhalation (Category 4). Harmful if swallowed, inhaled or in contact with skin (H302+H312+H332). Do not eat, drink or smoke when using this product (P270). Avoid breathing dust or fumes (P261).



### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium thiocyanate	540-72-7	NaSCN	81.08	

### 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 (P304+P340).

**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 (P302+P352). Wash contaminated clothing before reuse (P363).

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

### 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

Flinn Suggested Chemical Storage Pattern: Inorganic #7. Store with arsenates, cyanides and cyanates.

Deliquescent and light sensitive. Store in a cool, dry place within a Flinn Chem-Saf™ bag. Use only in a hood or well-ventilated area (P271).

### SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling (P264). Use only in a hood or well-ventilated area (P271).

### SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless crystals or white powder. Odorless.

Melting point: 287 °C

Soluble: Water and alcohol.

### SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with acids and strong bases. Contact with acids or heat may liberate poisonous hydrogen cyanide gas.

Shelf life: Poor, deliquescent and light sensitive. See Section 7 for further information.

### SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Toxic, irritant.

ORL-RAT LD<sub>50</sub>: 764 mg/kg

Chronic effects: Possible teratogen.

IHL-RAT LC<sub>50</sub>: N.A.

Target organs: N.A.

SKN-RBT LD<sub>50</sub>: N.A.

### 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 #26a is one option.

### SECTION 14 — TRANSPORT INFORMATION

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

### SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (208-754-4).

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**SECTION 16 — OTHER INFORMATION**

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

N/A = Not applicable

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

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