

3/2/205: File reviewed, more current MSDS/SDS not available. CAS

## Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Tin(IV) Chloride Solution

**Signal Word**  
**DANGER**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-10379

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin corrosion or irritation (Category 1). Causes severe skin burns and eye damage (H314). Do not breathe mist, vapors or spray (P260).



Hazard class: Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3). May cause respiratory irritation (H335).

Industrial exposure to hydrochloric acid vapors and mists is listed as a known human carcinogen by IARC (IARC-1).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

| Component Name    | CAS Number | Formula                                   | Formula Weight | Concentration |
|-------------------|------------|---|----------------|---------------|
| Tin(IV) chloride  | 7646-78-8  | $\text{SnCl}_4 \cdot 5\text{H}_2\text{O}$ | 350.61         | 3.5%          |
| Hydrochloric acid | 7647-01-0  | HCl                                       | 36.46          | 9-19%         |
| Water             | 7732-18-5  | $\text{H}_2\text{O}$                      | 18.00          | 77.5-87.5%    |

### SECTION 4 — FIRST AID MEASURES

Immediately call a POISON CENTER or physician (P310).

**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 (P305+P351+P338).

**If on skin or hair:** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353).

**If swallowed:** Rinse mouth. Do NOT induce vomiting (P301+P330+P331).

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solution.

**NFPA Code**

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

None established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Remove all ignition sources and ventilate area. Contain spill with sand or other inert absorbent material, neutralize with sodium bicarbonate or calcium hydroxide and deposit in sealed bag or container. See Sections 8 and 13 for further information.

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## **SECTION 7 — HANDLING AND STORAGE**

Flinn Suggested Chemical Storage Pattern: Inorganic #2. Store with acetates, halides, sulfates, sulfites, thiosulfates and phosphates. Keep container tightly closed (P233). Use only in a hood or well-ventilated area (P271).

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

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Use only in a hood or well-ventilated area (P271).

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## **SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

Colorless liquid, slightly cloudy. Odorless.

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## **SECTION 10 — STABILITY AND REACTIVITY**

Shelf life: Good, if stored properly.

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## **SECTION 11 — TOXICOLOGICAL INFORMATION**

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|---------------------------|---------------------------------|
| Acute effects: Corrosive. | 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. |

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## **SECTION 12 — ECOLOGICAL INFORMATION**

Data not yet available.

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## **SECTION 13 — DISPOSAL CONSIDERATIONS**

Please review all federal, state and local regulations that may apply before proceeding.  
Flinn Suggested Disposal Method #24b is one option.

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## **SECTION 14 — TRANSPORT INFORMATION**

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

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## **SECTION 15 — REGULATORY INFORMATION**

Not listed.

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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.**

