

PRMI

MATERIAL SAFETY DATA SHEET

24 HR. EMERGENCY NO: CHEM-TREC 1-800-424-9300

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SECTION 1 Product Identification

CHEMICAL NAME: #3661 TIN (IV) IODIDE

CAS#: 7790-47-8

FORMULA: SnI₄

EINECS NUMBER: 232-208-4

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	7790-47-8	100	No Data	No Data

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: CORROSIVE CAUSES BURNS.

PRIMARY ROUTES OF EXPOSURE: Contact with skin and eyes, Inhalation.

EYE CONTACT: Causes burns. Strong corrosive effect. Possible permanent damage.

SKIN CONTACT: Causes burns.

INHALATION: Inhalation of vapor/mist is extremely destructive to tissue of mucous membranes and upper respiratory tract.

INGESTION: Swallowing will lead to a strong corrosive effect on mouth and throat and to danger of the perforation of esophagus and stomach.

SUBACUTE TO CHRONIC TOXICITY: Acutely destructive to respiratory tract, eyes, skin and digestive tract. Eye contact may result in permanent damage and complete vision loss. Inhalation may result in respiratory effects such as inflammation, edema, and chemical pneumonitis. May cause coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. Ingestion may cause damage to the mouth and throat and danger of perforation of esophagus and stomach. May cause skin burns or irritation depending on the severity of the exposure.

SECTION 4 First Aid Measures

Immediately remove any clothing or shoes soiled by product.

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water (lukewarm if possible) for at least 10-15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

SKIN EXPOSURE: Wash affected area with soap and water, rinse thoroughly. Seek immediately medical advice.

INHALATION: Remove victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. Give oxygen if available. If not breathing administer CPR.

In such cases seek immediate medical assistance

INGESTION: Seek medical attention immediately. Keep victim calm. Do not induce vomiting.

SECTION 5 Firefighting Measures

FLASH POINT: not applicable

AUTOIGNITION TEMPERATURE: no data

EXPLOSION LIMITS: none

EXTINGUISHING MEDIUM: Use fire fighting measures that suit the surrounding fire.

SPECIAL FIREFIGHTING PROCEDURES: If this product is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Hydrogen iodide, metal oxide fume.

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known

SECTION 6 Accidental Release Measures

SPILL AND LEAK PROCEDURES: Evacuate area. Wearing adequate protection to avoid exposure, use neutralizing agent, sweep up and place in a well-marked suitable container for disposal. Ensure adequate ventilation.

DISPOSAL: Retain all contaminated soilage for removal and treatment. Dispose of in accordance with all waste disposal regulations.

SECTION 7 Handling and Storage

HANDLING AND STORAGE: Keep container tightly closed when not in use. Protect from exposure to light. Store away from strong bases. Protect from moisture/humidity. Store under dry inert gas. Avoid contact with air/oxygen.

SECTION 8 Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses w/side shields, or safety goggles, faceshield when handling a chemicals substance in the laboratory.

SKIN PROTECTION: Rubber

VENTILATION: If possible, handle the material in a efficient chemical fume hood.

RESPIRATOR: If ventilation if not available, a high efficiency vapor/mist. respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29CFR 1910.34.

ADDITIONAL PROTECTION: CORROSIVE Protection to avoid contact with clothing, shoes.(chemical-resistant lab apron, overalls, booties, sleevelets.) Safety shower, eyewash should be in area. Use in a controlled environment.

Do not eat, drink or smoke in area. Wash hands after use.

SECTION 9 Physical and Chemical Properties

COLOR AND FORM: Red to yellow powder.

MOLECULAR WEIGHT: No Data

MELTING POINT (DEG. C.): 143

SPECIFIC GRAVITY (WATER = 1): No data

BOILING POINT: 340 degrees C.

VAPOR PRESSURE: No Data

VAPOR DENSITY@ 20 degrees. C.: 4.46 g/cm³

% VOLATILE BY VOLUME: Non volatile

SOLUBILITY IN WATER: Decomposes

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SECTION 10 Stability and Reactivity

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Light

INCOMPATIBILITY: Bases, water/moisture (decomposes), Air

DECOMPOSITION PRODUCTS: Hydrogen Iodide, metal oxide fume

SECTION 11 Toxicological Information

RTECS NUMBER: No Data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 Ecological Information

ECOLOGICAL INFORMATION: Do not allow undiluted product or large quantities to reach ground water, water course or sewage system.

SECTION 13 Disposal Considerations

DISPOSAL: Contact a licensed professional waste disposal services. Dispose of in according to local state and federal regulations.

SECTION 14 Transportation Information

IATA AND DOT REGULATED

Corrosive solid, acidic, inorganic, n.o.s.

Class 8

UN3260

PG III

Corrosive label

SECTION 15 Regulatory Information

TSCA: Yes (Listed)

SARA (TITLE 313): Yes

SECTION 16 Other Information

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, ProChem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE PREPARED: 06/07