SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Tin (II) Iodide
PRODUCT NUMBER: 3658
CAS NUMBER: 10294-70-9
SYNONYMS: Stannous diiodide, Tin diiodide, Diiodotin
MANUFACTURER:
Prochem, Inc.
826 Roosevelt Road
Rockford, IL 61109

PHONE: 815-398-1788
FAX: 815-398-1810
TOLL FREE: 800-795-8788

IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram
Signal Word Danger

Hazard Statements
H302+H312+H332 Harmful if swallowed, in contact with skin, or if inhaled.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
P360 May damage fertility or the unborn child.

Precautionary Phrases
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink, or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
SECTION 2  HAZARDS IDENTIFICATION (Cont.)

P330  Rinse mouth.
P362  Take off contaminated clothing and wash before reuse.
P403+P233  Store in a well-ventilated place.
P501  Dispose of contents/container to an approved waste disposal plant.

HMIS CLASSIFICATION:
Health: 2  Fire: 0  Reactivity Hazard: 0
NFPA RATING:
Health: 2  Flammability: 0  Reactivity Hazard: 0

EYE CONTACT: Causes irritation. May cause redness and pain.
SKIN CONTACT: Causes irritation of the skin. Symptoms include redness, itching, and pain.
INHALATION: Causes irritation of the respiratory tract.
INGESTION: May cause severe irritation to the gastrointestinal tract with abdominal pain, nausea, and vomiting.

SECTION 3  COMPOSITION / INFORMATION ON INGREDIENTS

Formula: SnI₂

Molecular Weight: 372.50

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS#</th>
<th>%</th>
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<tbody>
<tr>
<td>Tin (II) Iodide</td>
<td>10294-70-9</td>
<td>100</td>
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</table>

SECTION 4  FIRST AID MEASURES

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 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 water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

INHALATION: Remove to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.

INGESTION: Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5  FIREFIGHTING MEASURES

FLASH POINT: Not available
AUTO IGNITION TEMPERATURE: Not available
EXPLOSION LIMITS: Not available
EXTINGUISHING MEDIUM: Carbon dioxide, extinguishing powder, or water spray. Fight large fires with water spray or alcohol resistant foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Hydrogen iodide and tin oxides

SECTION 6  ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust.
ENVIRONMENTAL PRECAUTIONS: Prevent spillage from entering drains or allowing to be released into the environment.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Small spills can be mixed with powdered sodium bicarbonate, lime, or calcium carbonate and swept up. Avoid raising dust. Place in suitable container for proper disposal.
SECTION 7  HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Use with adequate ventilation. Avoid contact with skin and eyes. Avoid formation of dust.
CONDITIONS FOR SAFE STORAGE: Store in cool, dry, and well-ventilated area. Keep container tightly sealed.

SECTION 8  EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS: Contains no substances with occupational exposure limit values.

<table>
<thead>
<tr>
<th>Component</th>
<th>Exposure Limit</th>
<th>Basis</th>
<th>Entity</th>
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<tbody>
<tr>
<td>Tin compounds</td>
<td>2mg/m³</td>
<td>TLV</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td>2mg/m³</td>
<td>PEL</td>
<td>OSHA</td>
</tr>
</tbody>
</table>

EYE PROTECTION: Wear chemical safety glasses or goggles and face shield.
SKIN PROTECTION: Wear nitrile or rubber gloves, and an imperious suit resistant to corrosion.
VENTILATION: Provide local exhaust, preferably mechanical.
RESPIRATOR: Use an approved respirator.
ADDITIONAL PROTECTION: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

SECTION 9  PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Red to yellow powder
ODOR: Not available
MOLECULAR WEIGHT: 372.50
BOILING POINT: 720°C
MELTING POINT: 320°C
SPECIFIC GRAVITY: 5.28 gm/ml
VAPOR DENSITY: No data available
SOLUBILITY: Reacts with water

SECTION 10  STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Moisture
INCOMPATIBILITY: Strong oxidizing agents and strong bases
DECOMPOSITION PRODUCTS: Hydrogen Iodide and tin oxides

SECTION 11  TOXICOLOGICAL DATA

ACUTE TOXICITY: LD50 Intravenous – mouse – 100mg/kg
CARCINOGENIC EFFECTS: No components of this product present at levels greater than or equal to 0.1% is identified a carcinogen.
MUTAGENIC EFFECTS: Not available
TETRATOGENIC EFFECTS: Not available
RTECS: XQ3650000

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

SECTION 12  ECOLOGICAL DATA

No data available.

SECTION 13  DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.
SECTION 14     TRANSPORTATION DATA

UN3260
Corrosive solid, acidic, inorganic, n.o.s.
(Tin (II) Iodide)
CLASS 8
PG III

Marine Pollutant: No

SECTION 15     REGULATORY INFORMATION

TSCA: Listed in the TSCA inventory
SARA 302/304: Not Listed
SARA 311/312: Acute Health Hazard, Chronic Health Hazard
SARA (TITLE 313): Not Listed
CALIFORNIA PROP. 65: Not Listed
PENNSYLVANIA RIGHT TO KNOW: Tin (II) Iodide
NEW JERSEY RIGHT TO KNOW: Tin (II) Iodide
WHMIS CANADA: Class D-2B: Toxic material causing other toxic effects. Class E: Corrosive material

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: 10/14