



# SAFETY DATA SHEET

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## SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Tin, pellets**  
PRODUCT NO: 3624  
CAS NO: 7440-31-5  
SYNONYMS: Stannum

### 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

Not a dangerous substance according to the GHS

### HMIS CLASSIFICATION:

Health: 0 Flammability: 0 Reactivity: 0

### NFPA RATING:

Health: 0 Fire: 0 Reactivity Hazard: 0

**EYE CONTACT:** The dust causes slight to mild irritation of the eyes.

**SKIN CONTACT:** The dust caused slight to mild irritation of the skin.

**INHALATION:** Hazard associated with inhalation of fine dust or fume. As dust, irritating to nasal cavity and respiratory tract.

**INGESTION:** No specific information is available on the physiological effects of ingestion.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: Sn

Molecular Weight: 118.7

CHEMICAL NAME	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Tin pellets	7440-31-5	100	2mg/m3	No data

## SECTION 4 FIRST AID MEASURES

**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water for at least 10-15 minutes. A victim may need assistance in keeping their eyelids open. Get immediate medical attention.

**SKIN EXPOSURE:** This material is in the form of metal shot. Skin exposure is not an issue.

## SECTION 4 FIRST AID MEASURES (Cont.)

**INHALATION:** Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases, seek immediate medical assistance.

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

## SECTION 5 FIREFIGHTING MEASURES

**FLASH POINT:** Not applicable

**AUTO IGNITION TEMPERATURE:** Not applicable

**EXPLOSION LIMITS:** Not applicable

**EXTINGUISHING MEDIUM:** Special powder for metal fires. Do not use water.

**SPECIAL FIRE FIGHTING PROCEDURES:** If 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:** Tin and tin oxides

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** Potentially combustible as fine dust. Dust may form explosive mixtures with air under some conditions.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Avoid dust formation. Avoid breathing vapors, mist, or gas.

**ENVIRONMENTAL PRECAUTIONS:** Do not let product enter drains or to be released to the environment.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Sweep up. Place in a suitable container for disposal.

## SECTION 7 HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Wear approved personal protective equipment. Provide appropriate exhaust ventilation.

**CONDITIONS FOR SAFE STORAGE:** Keep container tightly closed in a dry and well-ventilated place. Store away from oxidizing agents. Do not store with acids.

## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

**EYE PROTECTION:** Always wear approved safety glasses with side shields, safety goggles, or face shield when handling a chemicals substance in the laboratory.

**SKIN PROTECTION:** Chemical resistant gloves.

**VENTILATION:** If possible, handle the material in an efficient fume hood.

**RESPIRATOR:** If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.134.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**COLOR AND FORM:** Silver grey solid

**MELTING POINT:** 231.9° C

**BOILING POINT:** 2602° C

**MOLECULAR WEIGHT:** 118.7

**ODOR:** Odorless

**SPECIFIC GRAVITY:** 7.31 gm/ml

**VAPOR PRESSURE:** Not applicable

**SOLUBILITY IN WATER:** Insoluble

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** No hazardous polymerization

## SECTION 10 STABILITY AND REACTIVITY (Cont.)

**CONDITIONS TO AVOID:** Strong oxidizing agents, Sulphur compounds, Strong bases, Halogens, Carbon tetrachloride, and chloride trifluoride

**INCOMPATIBILITY:** Mineral acids, halogens, oxidizing agents, and strong acids.

**DECOMPOSITION PRODUCTS:** Tin and tin oxides

## SECTION 11 TOXICOLOGICAL DATA

**CARCINOGENIC EFFECTS:** Mouse- Implant, Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Tumorigenic: Tumors at site of application. Rat- Implant, Tumorigenic: Equivocal tumorigenic agents by RTECS criteria. Tumorigenic: Tumors at site or application.

**MUTAGENIC EFFECTS:** No data

**TETRAOGENIC EFFECTS:** No data

**RTECS DATA:** XP7320000

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

## SECTION 12 ECOLOGICAL DATA

No information available

## SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

## SECTION 14 TRANSPORTATION DATA

Non-hazardous material

## SECTION 15 REGULATORY INFORMATION

**TSCA:** Listed in the TSCA Inventory

**SARA 302 COMPONENTS:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA (TITLE 313):** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**MASSACHUSETTS RIGHT TO KNOW COMPONENTS:** Tin

**PENNSYLVANIA RIGHT TO KNOW COMPONENTS:** Tin

**NEW JERSEY RIGHT TO KNOW COMPONENTS:** Tin

**CALIFORNIA PROP. 65 COMPONENTS:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## 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:** 05/14

**SDS DEPT.**