



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Tin, pellets**
PRODUCT NO: 3624-4
CAS NO: 7440-31-5
SYNONYMS: Stannum

MANUFACTURER:

Prochem, Inc.
826 Roosevelt Road
Rockford, IL 61109

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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.