



SAFETY DATA SHEET

ProChemOnline.com



SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Tin (II) Ethoxide**
PRODUCT NUMBER: 3652
CAS NUMBER: 14791-99-2
SYNONYMS: Tin (II) ethanolate; ethanol, tin (II) salt; stannous ethoxide
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

Warning

Hazard Statements

H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation

Precautionary Phrases

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P501	Dispose of contents/container to an approved waste disposal plant.

HMIS CLASSIFICATION:

Health: 1 Fire: 1 Reactivity Hazard: 1

NFPA RATING:

Health: 1 Flammability: 1 Reactivity Hazard: 1

EYE CONTACT: The solid and ethanol hydrolysis product may cause moderate irritation of the eyes.

SKIN CONTACT: Dehydrating agent. Solid may cause mild irritation of the skin.

INHALATION: Dust may cause moderate irritation to the upper respiratory tract. Ethanol vapor may cause dizziness and drowsiness.

INGESTION: Ingestion may cause gastrointestinal distress, nausea, vomiting, and headache.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $\text{Sn}(\text{OC}_2\text{H}_5)_2$

Molecular Weight: 208.83

CHEMICAL NAME	CAS#	%
Tin (II) Ethoxide	14791-99-2	100

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: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: >110°C

AUTO IGNITION TEMPERATURE: Not available

EXPLOSION LIMITS: Not available

EXTINGUISHING MEDIUM: Carbon dioxide, dry powder, or foam. Do NOT use water

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Tin oxides, ethanol, and carbon oxides

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS: Prevent spillage from entering drains or allowing it to be released into the environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Small spills may be absorbed into diatomaceous earth, sand, or other suitable absorbent, and swept up.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Use with adequate ventilation. Handle under dry protective gas.

CONDITIONS FOR SAFE STORAGE: Store in cool, dry, and well-ventilated area. If container is left open, product may absorb moisture from the atmosphere and release ethanol vapor. Store under inert gas. Store away from oxidizing agents, air, water, and moisture.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS

Component	Exposure Limits	Basis	Entity
Tin compounds	2 mg/m ³	TLV	ACGIH
	2 mg/m ³	PEL	OSHA

TLV: Threshold Limit Value over 8 hours of work.

PEL: Permissible Exposure Limit

EYE PROTECTION: Wear chemical safety glasses or goggles.

SKIN PROTECTION: Wear nitrile or rubber gloves, apron, or lab coat.

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: White powder
ODOR: Alcohol-like
MOLECULAR WEIGHT: 208.83
BOILING POINT: Not available
MELTING POINT: >200°C
SPECIFIC GRAVITY: Not available
VAPOR DENSITY: No data available
SOLUBILITY: Reacts with water

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable under recommended storage conditions
HAZARDOUS POLYMERIZATION: Reacts with water
CONDITIONS TO AVOID: None
INCOMPATIBILITY: Strong oxidizing agents, sulfur, and sulfur compounds, air, water, and moisture
DECOMPOSITION PRODUCTS: Tin oxides, carbon oxides, and ethanol

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: Not available
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

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

Not a dangerous good.

SECTION 15 REGULATORY INFORMATION

TSCA: Not listed in the TSCA inventory
DSCL (EEC): Not listed on the DSCL inventory
SARA 302/304: Not Listed
SARA 311/312: Not available
SARA (TITLE 313): Not Listed
CALIFORNIA PROP. 65: Not Listed

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: 09/14