

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **TIN II ETHOXIDE - SNT7935**

CHEMICAL NAME: TIN II ETHOXIDE

SYNONYMS: DIETHOXYTIN, STANNOUS ETHOXIDE

CHEMICAL FAMILY: ORGANOTIN

FORMULA: C₄H₁₀O₂Sn

HMIS CODES HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
TIN II ETHOXIDE	14791-99-2	>95	0.1 mg/m ³ as tin
OTHER ORGANOTINS		<5	0.1mg/m ³ as tin

PHYSICAL DATA

Boiling Point: No Data
Specific Gravity: No Data
Vapor Density: No Data
% volatiles: No Data
Molecular Weight: 208.81

Melting Point: 200°C - decomposes
Vapor Pressure: No Data
Solubility in water: reacts
Evaporation rate: No Data
Other: No Data

Appearance & Color: White powder, characteristic odor of ethanol

FIRE & EXPLOSION DATA

Flash Point, COC: >110°C (>230°F) Autoignition Temp.: not determined
Flammability Limits- LEL: NA UEL: NA

Extinguishing Media: Water spray, foam, carbon dioxide, dry chemical.

Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.

Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

-1-(SNT7935)

ENVIRONMENTAL INFORMATION

Spill response: May be hazardous to aquatic life if released to open waters. Cover spill with absorbent material. Transfer to a suitable container for disposal.

Recommended Disposal: Dispose of absorbent material as solid waste. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: May cause immediate or delayed severe eye irritation.

Skin contact: May produce irritation or contact dermatitis which may be delayed several hours. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of vapors or particulates of organotins may irritate the respiratory tract. Overexposure may produce coughing, headache and nausea. The onset of symptoms may be delayed until several hours after exposure.

Oral Toxicity: No Data

Chronic Toxicity: There are no known chronic effects related to this compound.

SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.

SKIN: Flush with water, then wash with soap and water.

INHALATION: Move exposed individual to fresh air. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.

REACTIVITY DATA

Stability: Stable in sealed containers. Reacts slowly with moisture and air.

Conditions to avoid: Combustible; avoid contact with heat, sparks or open flame.

Incompatibility (materials to avoid): Water, oxidizers.

Hazardous decomposition products: Organic acid vapors, tin oxides

-2-(SNT7935)

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV air-supplied or combination organic vapor acid gas respirator.

Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.

Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

OTHER PRECAUTIONS

For research use only.

Storage and Handling: Store in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS, NOI

DOT HAZARD CLASS: NONE REQUIRED

DOT LABEL: NONE REQUIRED

DOT ID No: NONE REQUIRED

Prepared by safety and environmental affairs

ISSUE DATE SNT7935: 10/4/03

SUPERSEDES: 1/23/92

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