

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **TIN II OXALATE - SNT7960**

CHEMICAL NAME: TIN II OXALATE

SYNONYMS: STANNOUS OXALATE; OXALATO TIN II

CHEMICAL FAMILY: TIN COMPOUND

FORMULA: C_2O_4Sn

HMIS CODES HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
TIN II OXALATE	814-94-8	>95	2 mg/m ³ as tin

PHYSICAL DATA

Boiling Point: NA

Specific Gravity: 3.56

Vapor Density: NA

% volatiles: <1

Molecular Weight: 206.72

Appearance & Color: White to off-white crystals, odorless

Melting Point: 280° - decomposes

Vapor Pressure, 25°: <0.1mm

Solubility in water: 0.5g/liter

Evaporation rate: NA

Other: NA

FIRE & EXPLOSION DATA

Flash Point, COC: NA

Autoignition Temp.: NA

Flammability Limits- LEL: NA UEL: NA

Extinguishing Media: Tin II Oxalate is not flammable.

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.

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ENVIRONMENTAL INFORMATION

Spill response: May be hazardous to aquatic life if released to open waters. Sweep material and transfer to a suitable container for disposal.

Recommended Disposal: Dispose of as solid waste. Follow all chemical pollution control regulations. Alternately, collect solids for recovery and recycle of tin.

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 dust or particulates will irritate the respiratory tract.

Oral Toxicity - rat, LD50: 3400mg/kg

Chronic Toxicity: Exposure to dust or fumes of inorganic tin compounds is known to cause a benign pneumoniosis. (stannosis)

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. Administer oxygen if needed. Call a physician.

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

REACTIVITY DATA

Stability: Stable

Conditions to avoid: None with proper storage.

Hazardous decomposition products: Organic acid vapors, tin oxides.

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SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV, NIOSH approved dust and mist 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 and industrial 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 SNT7960: 10/4/03

SUPERSEDES: 16/29/01

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