

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **BIS(TRI-n-BUTYLTIN)SULFIDE - SNB1805**

CHEMICAL NAME: BIS(TRI-n-BUTYLTIN)SULFIDE

SYNONYMS: HEXABUTYLDISTANNATHIANE

CHEMICAL FAMILY: TIN COMPOUND

FORMULA: C₂₄H₅₄SSn₂

HMIS CODES HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV	OSHA PEL
BIS(TRI-n-BUTYLTIN)SULFIDE	4808-30-4	>95	0.1 mg/m ³ as tin	0.1 mg/m ³ as tin

PHYSICAL DATA

Boiling Point :208°C at 1mm

Specific Gravity: >1

Vapor Density: NA

% volatiles < 0.3%

Molecular Weight: 612.14

Appearance & Color: Viscous liquid with stench

Melting Point: not determined

Vapor Pressure: not determined

Solubility in water: insoluble, slowly reacts

Evaporation rate: NA

Other: NA

FIRE & EXPLOSION DATA

Flash Point, COC: >110°C (>230°F) Autoignition Temp.: not determined

Flammability Limits- LEL: NA UEL: NA

Extinguishing Media: Foam, Water spray, carbon dioxide.

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: not determined

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, tin sulfides, sulfur dioxide.

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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 SNB1805: 5/12/03

SUPERSEDES: none

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