

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **BIS(TRIPHENYLTIN)SULFIDE - SNB1920**

CHEMICAL NAME: BIS(TRIPHENYLTIN)SULFIDE

SYNONYMS: HEXAPHENYLDISTANNATHIANE

CHEMICAL FAMILY: ORGANOTIN

FORMULA: C₃₆H₃₀SSn

HMIS CODES HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV	OSHA PEL
BIS(TRIPHENYLTIN)SULFIDE	77-80-5	>95	0.1 mg/m ³ as tin	0.1mg/m ³ as tin
OTHER ORGANOTINS		<5	0.1mg/m ³ as tin	0.1mg/m ³ as tin

PHYSICAL DATA

Boiling Point: not determined
Specific Gravity: not determined
Vapor Density: NA
% volatiles NA
Molecular Weight: 732.07
Appearance & Color: White solid with characteristic odor

Melting Point: 141-3°C
Vapor Pressure, 20°C: not determined
Solubility in water: insoluble
Evaporation rate: NA
Soluble: ether, benzene

FIRE & EXPLOSION DATA

Flash Point, TCC:> 150°C (>302°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.

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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. This material is toxic to wildlife and fish.

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. The onset of irritation may not occur until several hours after exposure.

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. Organotins may be absorbed through the skin.

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.

Toxicity- mouse, ALD (approximate lethal dose): 710mg/kg

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. *Note to physician: Application of corticosteroid creams has been effective in treating severe skin irritation. If blisters develop, they may require abrasion to promote healing.*

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

Conditions to avoid: Acids and oxidizers

Incompatibility (materials to avoid): Oxidizers.

Hazardous decomposition products: Organic acid vapors, organotin oxides, tin sulfides.

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SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV air-supplied or NIOSH approved combination organic vapor acid gas respirator with dust prefilter.

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.

Keep out of reach of children.

TRANSPORTATION

DOT SHIPPING NAME: ORGANOTIN COMPOUND, SOLID, n.o.s.
(BIS(TRIPHENYLTIN)SULFIDE)

DOT HAZARD CLASS: 6.1

DOT LABEL: TOXIC

DOT ID No: UN3146

PG: III

Prepared by safety and environmental affairs ISSUE DATE SNB1920: 8/26/11
SUPERSEDES: 9/30/03

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