GELEST, INC.
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Phone: (215) 547-1015

MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **BIS(TRIMETHYLSILYL)METHYL CHLORIDE - SIB1864.0**
CHEMICAL NAME: BIS(TRIMETHYLSILYL)METHYL CHLORIDE
SYNONYMS: 2,2,4,4-TETRAMETHYL-3-CHLORO-2,4-DISILA-PENTANE
CHEMICAL FAMILY: ORGANOSILANE
FORMULA: $C_7H_{19}ClSi$

HMIS CODES HEALTH: 2 FLAMMABILITY: 3 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
BIS(TRIMETHYLSILYL)METHYL CHLORIDE	5926-35-2	>95%	not established

PHYSICAL DATA

Boiling Point: 172-178°C
Melting Point: < 0°C
Specific Gravity: 0.892
Vapor Pressure: <5mm
Vapor Density (air =1): >1
Solubility in water: insoluble
% volatiles: N/A
Evaporation rate: N/A
Molecular Weight:
Other: N/A
Appearance & Color: Clear to straw liquid with mild odor

FIRE & EXPLOSION DATA

Flash Point, COC: 48°C (120°F)
Autoignition Temp. not determined
Flammability Limits: not determined

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.

Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose, LC: Lethal Concentration; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; HMIS: Hazardous Material information System; CAS No.: Chemcial Abstract Service Registration Number

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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.

Recommended Disposal: May be incinerated. Alternately, absorb onto clay or vermiculite and dispose of absorbent material as solid waste. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: Vapors may cause immediate or delayed severe eye irritation. Liquid can cause severe conjunctivitis and corneal damage

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 may irritate the respiratory tract. Overexposure may produce coughing, headache and nausea.

Oral Toxicity: Not determined

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 stored.
Conditions to avoid: Flammable; avoid contact with heat, sparks or open flame.
Incompatibility (materials to avoid): Avoid contact with peroxides, oxidizing agents, alcohols, acids.
Hazardous decomposition products: Organic Acid Vapors, chlorinated hydrocarbons.

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SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.
Respiratory Protection: If exposure exceeds TLV air-supplied or combination organic vapor amine 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: FLAMMABLE LIQUID, N.O.S.
(BIS(TRIMETHYLSILYL)METHYL CHLORIDE)
DOT HAZARD CLASS: 3
DOT LABELS: FLAMMABLE LIQUID
DOT ID No: UN1993 PG: III

Prepared by safety and environmental affairs ISSUE DATE SIB1864.0: 5/19/03
SUPERSEDES: 10/27/98

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