

GELEST, INC.

11 East Steel Rd. Morrisville, PA 19067
Phone: (215) 547-1015

MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME ON LABEL: **BIS(TRIFLUOROPROPYL)TETRAMETHYLDISILAZANE - SIB1828.4**
CHEMICAL NAME: BIS(TRIFLUOROPROPYL)TETRAMETHYLDISILAZANE
SYNONYMS: 1,3-BIS(TRIFLUOROPROPYL)TETRAMETHYLDISILAZANE
CHEMICAL FAMILY: ORGANOSILANE
FORMULA: C₁₀H₂₁F₆NSi₂

HMIS CODES HEALTH: 2 FLAMMABILITY: 3 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
BIS(TRIFLUOROPROPYL)TETRAMETHYLDISILAZANE	39482-87-6	>95	not established

PHYSICAL DATA

Boiling Point: 76-9°C at 10mm	Melting Point: <0°C
Specific Gravity: 1.11	Vapor Pressure, 25°C: <2mm
Vapor Density (air=1): >1	Solubility in water: insoluble
% volatiles: NA	Evaporation rate: NA
Molecular Weight: 325.45	Viscosity: 2 cSt.
Appearance & Color: Clear liquid with mild ammonia odor	

FIRE & EXPLOSION DATA

Flash Point, COC : 78°C (173°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 of hydrogen fluoride, trifluoropropionaldehyde and organic acid vapors may develop when material is exposed to 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.

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: May cause immediate or delayed eye irritation.

Skin contact: Prolonged exposure may produce irritation or contact dermatitis. 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 under a dry inert atmosphere.

Conditions to avoid: Combustible; avoid contact with heat, sparks or open flame. If heated in air above 150°C toxic vapors of trifluoropropionaldehyde may form.

Incompatibility (materials to avoid): Avoid contact with anhydrous base including metal organics such as butyl lithium. Avoid contact with alcohols, acids, oxidizers.

Hazardous decomposition products: Organic acid vapors, trifluoropropionaldehyde, formaldehyde and hydrogen fluoride.

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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/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 and industrial use only.

Storage and Handling: Store in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS NOI
DOT HAZARD CLASS: NOT REGULATED
DOT LABEL: NOT REQUIRED
DOT ID No: NOT REQUIRED

Prepared by safety and environmental affairs

ISSUE DATE SIB1828.4: 3/10/05
SUPERSEDES: 6/30/04

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