

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **TRIMETHYLBROMOGERMANE - GET8440**

CHEMICAL NAME: TRIMETHYLBROMOGERMANE

SYNONYMS: TRIMETHYLGERMANIUM BROMIDE

CHEMICAL FAMILY: ORGANOGERMANIUM

FORMULA: (CH₃)₃GeBr

HMIS CODES HEALTH: 3 FLAMMABILITY: 3 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
TRIMETHYLBROMOGERMANE	1066-38-2	>95	not established
OTHER ORGANOGERMANIUMS		<5	not established

PHYSICAL DATA

Boiling Point: 113-4°C

Specific Gravity: 1.549

Vapor Density (air=1): >1

% volatiles: NA

Molecular Weight: 197.60

Appearance & Color: Straw to orange liquid; acrid odor of hydrogen bromide

Freezing Point: -25°C

Vapor Pressure, 25°C: not determined

Solubility in water: insoluble - reacts

Evaporation rate: NA

Other: NA

FIRE & EXPLOSION DATA

Flash Point, TCC: 37°C (99°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.

-1-(GET8440)

ENVIRONMENTAL INFORMATION

Spill response: Cover spill with absorbent material. Transfer to a suitable container for disposal.

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.

Inhalation: Inhalation of vapors or particulates of organogermanes may irritate the respiratory tract.

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

Conditions to avoid: Store in the dark; UV radiation degrades product.

Incompatibility (materials to avoid): Slowly reacts with water to form hydrogen bromide.

Hazardous decomposition products: Organic acid vapors, hydrogen bromide.

-2-(GET8440)

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.
Respiratory Protection: NIOSH approved organic, acid vapor 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 in the dark.

TRANSPORTATION

DOT SHIPPING NAME: FLAMMABLE LIQUID, CORROSIVE N.O.S.
(CONTAINS TRIMETHYLBROMOGERMANE)

DOT HAZARD CLASS: 3

DOT LABEL: FLAMMABLE LIQUID & CORROSIVE

DOT ID No: UN2924 PG: II

Prepared by safety and environmental affairs

ISSUE DATE GET8440: 7/5/05

SUPERSEDES: 5/1/03

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-3-(GET8440)

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