

**GELEST, INC.**

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MATERIAL SAFETY  
DATA SHEET

EMERGENCY TELEPHONE  
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **TRIETHYLBROMOGERMANE - GET8200**

CHEMICAL NAME: TRIETHYLBROMOGERMANE

SYNONYMS: TRIETHYLGERMANIUM BROMIDE

CHEMICAL FAMILY: ORGANOGERMANIUM

FORMULA: (C<sub>2</sub>H<sub>5</sub>)<sub>3</sub>GeBr

HMIS CODES HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 1

**INGREDIENTS**

IDENTITY	CAS NO.	%	TLV
TRIETHYLBROMOGERMANE	1067-10-3	>95	not established
OTHER ORGANOGERMANIUMS		<5	not established

**PHYSICAL DATA**

Boiling Point: 190-1°C	Freezing Point: -32°C
Specific Gravity: 1.412	Vapor Pressure: not determined
Vapor Density (air=1): >1	Solubility in water: insoluble - reacts
% volatiles: NA	Evaporation rate: NA
Molecular Weight: 239.68	Other: NA
Appearance & Color: Straw to orange liquid; acrid odor of hydrogen bromide	

**FIRE & EXPLOSION DATA**

Flash Point, TCC: >65°C (>150°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.

-1-(GET8200)

## 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-(GET8200)

## 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: CORROSIVE LIQUID N.O.S.  
(TRIETHYLBROMOGERMANE)  
DOT HAZARD CLASS: 8  
DOT LABEL: CORROSIVE  
DOT ID No: UN1760 PG: II

Prepared by safety and environmental affairs      ISSUE DATE GET8200: 5/1/03  
SUPERSEDES: 2/1/99

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