

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **TRIMETHYLGERMANE - GET8560**

CHEMICAL NAME: TRIMETHYLGERMANE

SYNONYMS: TRIMETHYLGERMANIUM

CHEMICAL FAMILY: ORGANOGERMANIUM

FORMULA: (CH₃)₃GeH

HMIS CODES HEALTH: 2 FLAMMABILITY: 4 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
TRIMETHYLGERMANE	1449-63-4	>95	not established
OTHER ORGANOGERMANIUMS		<5	not established

PHYSICAL DATA

Boiling Point: 26-7°C	Freezing Point: -23°C
Specific Gravity: 1.01	Vapor Pressure, 0°C: 270mm
Vapor Density: not determined	Solubility in water: insoluble
% volatiles: 100	Evaporation rate (butyl acetate = 1): >1
Molecular Weight: 118.70	Other: N/A
Appearance & Color: Clear to straw liquid; mild odor	

FIRE & EXPLOSION DATA

Flash Point, TCC: <-20°C (<-4°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-(GET8560)

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 under inert atmosphere. Slowly oxidizes in air.

Conditions to avoid: Avoid sparks and flame.

Incompatibility (materials to avoid): Oxidizers, Alkali.

Hazardous decomposition products: Organic acid vapors, germanium oxides.

-2-(GET8560)

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection:

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. (TRIMETHYLGERMANE)

DOT HAZARD CLASS: 3

DOT LABEL: FLAMMABLE LIQUID

DOT ID No: UN1993

PG: II

Prepared by safety and environmental affairs

ISSUE DATE GET8560: 5/1/03

SUPERSEDES: 6/23/95

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