

**GELEST, INC.**

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MATERIAL SAFETY  
DATA SHEET

EMERGENCY TELEPHONE  
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **METHACRYLOXYTRIETHYLGERMANE - GEM6490**

CHEMICAL NAME: METHACRYLOXYTRIETHYLGERMANE

SYNONYMS: (TRIETHYLGERMYL)METHACRYLATE

CHEMICAL FAMILY: ORGANOGERMANIUM

FORMULA: C<sub>10</sub>H<sub>20</sub>O<sub>2</sub>Ge

HMIS CODES HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 1

**INGREDIENTS**

IDENTITY	CAS NO.	%	TLV	OSHA PEL
METHACRYLOXYTRIETHYLGERMANE	95347-64-1	>95		not established
OTHER ORGANOGERMANIUMS		<5		not established

**PHYSICAL DATA**

Boiling Point: 69-70°C at 5mm	Freezing Point: <0°C
Specific Gravity: 1.14	Vapor Pressure:
Vapor Density (air=1): >1	Solubility in water: insoluble
% volatiles: NA	Evaporation rate: NA
Molecular Weight: 244.85	Other: NA
Appearance & Color: Clear liquid; mild odor	

**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.

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## 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: Polymerization can occur at elevated temperature. Avoid sunlight.

Incompatibility (materials to avoid): Oxidizers, peroxides.

Hazardous decomposition products: Organic acid vapors, germanium oxides.

## 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. Store cold.

## TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS, N.O.I.

DOT HAZARD CLASS: Not Regulated

DOT LABEL: Not Required

DOT ID No: Not Required

Prepared by safety and environmental affairs

ISSUE DATE GEM6490: 1/5/03

SUPERSEDES: 8/15/01

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