

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME: **O-(METHACRYLOXYETHYL)-N-(TRIETHOXYSILYLPROPYL)URETHANE 90%
- SIM6480.8**

CHEMICAL NAME: O-(METHACRYLOXYETHYL)-N-(TRIETHOXYSILYLPROPYL)URETHANE

SYNONYMS: O-(METHACRYLOXYETHYL)-N-(TRIETHOXYSILYLPROPYL)CARBAMATE

CHEMICAL FAMILY: ORGANOETHOXYSILANE

FORMULA: C₁₆H₃₁NO₇Si

HMIS CODES HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
O-(METHACRYLOXYETHYL)-N-(TRIETHOXYSILYLPROPYL)URETHANE	115396-93-5	>90	not established
HYDROQUINONE, MONOMETHYL ETHER	150-76-5	<500ppm	not established

PHYSICAL DATA

Boiling Point: >130°C at 4mm

Specific Gravity: 1.05

Vapor Density (air=1): >1

% volatiles: <3

Molecular Weight: 377.51

Appearance & Color: Clear to straw liquid with mild odor

Freezing Point: <0°C

Vapor Pressure, 25°: <0.1mm

Solubility in water: reacts

Evaporation rate: NA

Other: NA

FIRE & EXPLOSION DATA

Flash Point, COC: >110°C (>230°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.

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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: Will cause immediate or delayed eye irritation.

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 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.

This compound liberates ethanol on contact with moisture.

SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention, preferably from an ophthalmologist.

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 in the dark at 0-5°. Polymerization can occur when stored at elevated temperature.

Conditions to avoid: Combustible; avoid contact with heat, sparks or open flame.

Incompatibility (materials to avoid): Reacts with water and moisture in air liberating ethanol.

Hazardous decomposition products: Organic Acid Vapors.

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SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV air-supplied or NIOSH certified combination organic vapor - 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 use only.

Storage and Handling: Store in sealed containers in the dark at 0-5°C

TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS, NOI

DOT HAZARD CLASS: NOT REGULATED

DOT LABEL: NOT REGULATED

DOT ID No: NOT REGULATED

Prepared by safety and environmental affairs MSDS ISSUE DATE SIM6480.8: 8/6/15
SUPERSEDES: 12/12/05

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