

GELEST, INC.

11 East Steel Rd. Morrisville, PA 19067
Phone: (215) 547-1015

MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **2-(ACRYLOXYETHOXY)TRIMETHYLSILANE - SIA0160.0**

CHEMICAL NAME: 2-(ACRYLOXYETHOXY)TRIMETHYLSILANE

SYNONYMS: 2-(TRIMETHYLSILOXY)ETHYLACRYLATE

CHEMICAL FAMILY: ORGANOSILANE

FORMULA: C₈H₁₆O₃Si

HMIS CODES HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
2-(ACRYLOXYETHOXY)TRIMETHYLSILANE	18269-99-3	>95	not determined
OTHER ORGANOSILANES		<5	not determined
HYDROQUINONE, MONOMETHYL ETHER	150-76-5	<500ppm	

PHYSICAL DATA

Boiling Point: 90-4°C at 6mm

Specific Gravity: 0.950

Vapor Density: not determined

% volatiles: NA

Molecular Weight: 188.29

Appearance & Color: Clear to straw liquid with mild odor

Freezing Point: <0°C

Vapor Pressure, 25°C: <1mm

Solubility in water: reacts

Evaporation rate: not determined

Other: NA

FIRE & EXPLOSION DATA

Flash Point, COC: >65°C (>150°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-(SIA0160.0)

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 severe 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. Skin sensitization and allergic reaction has been reported for related acrylate compounds.

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.

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 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 hydroxyethylacrylate.

Hazardous decomposition products: Organic Acid Vapors.

Non-hazardous polymerization can occur.

-2-(SIA0160.0)

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV air-supplied or combination organic vapor acid 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 ISSUE DATE SIA0160.0: 5/6/03
SUPERSEDES: 7/15/96

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