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GELEST, INC.  
612 William Leigh Drive Tullytown, PA 19007  
Phone: (215) 547-1015

MATERIAL SAFETY DATA SHEET  
EMERGENCY TELEPHONE  
CHEMTREC: 1-800-424-9300

NAME: 6-AZIDOSULFONYLHEXYLTRIETHOXYLSILANE, 958 - SIA0780.0  
CHEMICAL NAME: 6-AZIDOSULFONYLHEXYLTRIETHOXYLSILANE  
SYNONYMS: 1-TRIETHOXYSIYL-6-SULFONAZIDE-N-HEXANE  
CHEMICAL FAMILY: ORGANOSILANE  
FORMULA: C12H27N3O5SSi

HMS CODES HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 1

#### INGREDIENTS

IDENTITY	CAS NO.	%	TLV	OSHA PEL
6-AZIDOSULFONYLHEXYLTRIETHOXYLSILANE	96550-26-4	>90	not established	not established
ETHANOL	64-17-5	<1	1000ppm	1000ppm

#### PHYSICAL DATA

Boiling Point: not determined Freezing Point: not determined  
Specific Gravity: not determined Vapor Pressure: not determined  
Vapor Density: N/A Solubility in water: reacts  
% volatiles: N/A Evaporation rate: N/A  
Molecular Weight: 353.71 Other: N/A  
Appearance & Color: Clear to straw liquid with mild odor.

#### FIRE & EXPLOSION DATA

Flash Point, COC: 114 (237) Autoignition Temp.: N/A  
Flammability Limits- LEL: N/A UEL: N/A

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-(SIA0780.0)

#### 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: Vapors may cause immediate or delayed severe eye irritation. Liquid can cause severe conjunctivitis and corneal damage.

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 - rat, LD50: >5000mg/kg - estimate

Chronic Toxicity: A four hour inhalation study, with rats exposed to 0.6mg/L, exhibited no adverse effects.

#### 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 below 35. May slowly build nitrogen pressure.

Conditions to avoid: Combustible; avoid contact with heat, sparks or open flame. Incompatibility (materials to avoid): May form explosive azides on contact with copper, cadmium, brass, bronze, lead silver and mercury. Reacts with water and moisture in air liberating ethanol. Avoid contact with peroxides, oxidizing agents, alcohols, acids, amines.

Hazardous decomposition products: Organic Acid Vapors.

-2-(SIA0780.0)

#### SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is recommended. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV air-supplied or combination organic vapor amine gas respirator.

Eye and Face Protection: Chemical worker 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 and industrial use only.

Storage and Handling: Store in sealed containers below 35. Vent containers slowly while grounded.

#### TRANSPORTATION

DOT SHIPPING NAME: COMBUSTIBLE LIQUID, NOI

DOT HAZARD: Not Regulated

DOT LABELS: Not Required

DOT ID No: Not Required

Prepared by safety and environmental affairs ISSUE DATE SIA0780.0: 7/3/96

SUPERSEDES: NONE

The information contained in this document has been gathered from reference materials and/or Gelest, Inc. test data and is to the best knowledge and belief of Gelest, Inc. accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones which exist. Gelest, Inc. makes no warranties, express or implied, with respect to the use of such information and assumes no responsibility therefore.

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Gelest, Inc., 11 East Steel Road, Morrisville, PA 19067

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