

GELEST, INC.
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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **TRIVINYLETHOXYSILANE - SIT8730.0**

CHEMICAL NAME: TRIVINYLETHOXYSILANE

SYNOMYS: TRIETHENYLETHOXYSILANE

CHEMICAL FAMILY: ORGANOSILANE

FORMULA: $C_8H_{14}OSi$

HMIS CODES HEALTH: 2 FLAMMABILITY: 3 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV	OSHA PEL
TRIVINYLETHOXYSILANE	70693-56-0	>95	not established	not established

PHYSICAL DATA

Boiling Point: 146-7°C

Melting Point: <0°C

Specific Gravity: 0.847

Vapor Pressure: not determined

Vapor Density (air = 1): >1

Solubility in water: insoluble

% volatiles: 100

Evaporation rate: not determined

Molecular Weight: 154.28

Other: NA

Appearance & Color: Clear liquid, characteristic mild odor

FIRE & EXPLOSION DATA

Flash Point, COC: 26°C(79°F)

Autoignition Temp.: not determined

Flammability Limits: not determined

Extinguishing Media: Water spray or fog, 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-(SIT8730.0)

Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose, LC: Lethal Concentration; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; HMIS: Hazardous Material information System; CAS No.: Chemical Abstract Service Registration Number
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ENVIRONMENTAL INFORMATION

Spill response: Sweep material and transfer to a suitable container for disposal.

Recommended Disposal: Incinerate. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: May cause immediate or delayed severe eye irritation.

Skin contact: May produce irritation or contact dermatitis.

Inhalation: Inhalation may irritate the respiratory tract.

Oral Toxicity: not determined

Inhalation: not determined

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. Administer oxygen if needed. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. To conscious individual give one full cup of water to dilute ingested material. Get medical attention.

REACTIVITY DATA

Stability: Stable

Conditions to avoid: Store away from oxidizers. Reacts with water liberating ethanol.

Hazardous decomposition products: Organic acid vapors and silicon dioxide.

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV, NIOSH approved organic vapor 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 and industrial use only.

Storage and Handling: Store in sealed containers.

Containers require grounding during use.

TRANSPORTATION

DOT SHIPPING NAME: FLAMMABLE LIQUID, NOS (TRIVINYLETHOXYSILANE)

DOT HAZARD CLASS: FLAMMABLE LIQUID

DOT LABEL: FLAMMABLE LIQUID

DOT ID No: UN 1993

PG: III

Prepared by safety and environmental affairs

ISSUE DATE SIT8730.0: 9/5/03

SUPERSEDES: 4/5/01

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