

GELEST, INC.

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**MATERIAL SAFETY
DATA SHEET**

**EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300**

NAME USED ON LABEL: **VINYLTRIS(TRIMETHYLSILOXY)SILANE - SIV9300.0**

CHEMICAL NAME: VINYLTRIS(TRIMETHYLSILOXY)SILANE

SYNONYMS: 3-VINYLNONAMETHYLTETRASILOXANE

CHEMICAL FAMILY: ORGANOSILANE

FORMULA: C₁₁H₃₀O₃Si₄

HMIS CODES HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
VINYLTRIS(TRIMETHYLSILOXY)SILANE	5356-84-3	>95	not determined

PHYSICAL DATA

Boiling Point: 78°C at 5 mm

Specific Gravity: 0.866

Vapor Density (air=1): >1

% volatiles: <3

Molecular Weight: 322.70

Appearance & Color: Clear to straw liquid with distinct mild odor.

Freezing Point: <0°

Vapor Pressure, 20°C: < 5mm

Solubility in water: insoluble

Evaporation rate (butyl acetate = 1): <1

Other: NA

FIRE & EXPLOSION DATA

Flash Point, COC : 54°C (129°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 water or open flame.

-1-(SIV9300.0)

ENVIRONMENTAL INFORMATION

Spill response: May be hazardous to aquatic life if released to open waters. Eliminate sources of ignition. 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.

Inhalation: Inhalation of vapors may irritate the respiratory tract. Overexposure may produce coughing, headache and nausea.

Inhalation Toxicity: Not determined

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 under a dry inert atmosphere.

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

Incompatibility (materials to avoid): Avoid contact with oxidizers.

Hazardous decomposition products: Organic acid vapors.

Hazardous polymerization may occur if heated over 150°C.

-2-(SIV9300.0)

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 and industrial use only.

Storage and Handling: Store in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME: FLAMMABLE LIQUID, N.O.S.
VINYLTRIS(TRIMETHYLSILOXY)SILANE

DOT HAZARD CLASS: 3

DOT LABEL: Flammable Liquid

DOT ID No: UN1993

PG: III

Prepared by safety and environmental affairs

ISSUE DATE SIV900.0: 9/27/03

SUPERSEDES: 12/9/97

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-3-(SIV9300.0)