

**GELEST, INC.**

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**DISCONTINUED PRODUCT**  
MATERIAL SAFETY  
DATA SHEET

EMERGENCY TELEPHONE  
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **3-(TRIMETHYLSILYL)-2-OXAZOLIDINONE - SIT8597.0**  
CHEMICAL NAME: 3-(TRIMETHYLSILYL)-2-OXAZOLIDINONE  
SYNONYMS: N-(TRIMETHYLSILYL)OXAZOLIDINONE  
CHEMICAL FAMILY: ORGANOSILANE  
FORMULA: C<sub>6</sub>H<sub>13</sub>NOSi

HMIS CODES HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 1

**INGREDIENTS**

IDENTITY	CAS NO.	%	TLV
3-(TRIMETHYLSILYL)-2-OXAZOLIDINONE	43112-38-5	>95%	not established

**PHYSICAL DATA**

Boiling Point: 87-9°C at 0.8mm	Melting Point: <20°C
Specific Gravity: 1.04	Vapor Pressure, 25°: <0.1mm
Vapor Density (air =1): >1	Solubility in water: insoluble, reacts
% volatiles: NA	Evaporation rate: not determined
Molecular Weight: 159.26	Other: NA
Appearance & Color: Clear to straw liquid with mild odor	

**FIRE & EXPLOSION DATA**

Flash Point, COC: 76°C (170°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-(SIT8597.0)

## 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 aminosilanes will irritate the respiratory tract. Overexposure may produce coughing, headache and nausea.

Oral Toxicity: Not determined  
Chronic Toxicity: 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. 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.

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

Incompatibility (materials to avoid): Reacts with water and moisture in air liberating hexamethyldisiloxane (flammable) and oxazolidinone. Avoid contact with peroxides, oxidizing agents, alcohols, acids.

Hazardous decomposition products: Organic Acid Vapors.

Hazardous polymerization will not occur.

-2-(SIT8597.0)

## SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

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

## TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS, NOI.

DOT HAZARD CLASS: Not Regulated

DOT LABELS: Not Required

DOT ID No: Not Required

Prepared by safety and environmental affairs

ISSUE DATE SIT8597.0: 9/3/03

SUPERSEDES: 3/31/97

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