

# 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: **VINYL(CHLOROMETHYL)DIMETHOXYISILANE - SIV9064.0**

CHEMICAL NAME: VINYL(CHLOROMETHYL)DIMETHOXYISILANE

SYNONYMS: (CHLOROMETHYL)VINYLDIMETHOXYISILANE

CHEMICAL FAMILY: ORGANOSILANE

FORMULA: C<sub>5</sub>H<sub>11</sub>ClO<sub>2</sub>Si

HMIS CODES HEALTH: 3 FLAMMABILITY: 3 REACTIVITY: 1

## INGREDIENTS

IDENTITY	CAS NO.	%	TLV	OSHA PEL
VINYL(CHLOROMETHYL)DIMETHOXYISILANE	1314981-48-0	>95		not established
		(TLV for methanol: 200ppm - skin)		

## PHYSICAL DATA

Boiling Point: 150-160°C

Specific Gravity: ~1

Vapor Density (air = 1): >1

% volatiles: NA

Molecular Weight: 166.68

Appearance & Color: Clear liquid, characteristic mild ester odor

Melting Point: <0°C

Vapor Pressure: not determined

Solubility in water: insoluble, reacts

Evaporation rate: not determined

Other: NA

## FIRE & EXPLOSION DATA

Flash Point, COC: <60°C (<140°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-(SIV9064.0)

## 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: Causes immediate or delayed severe eye irritation and possible blindness. Even mild exposures may cause conjunctivitis and corneal scarring.

Skin contact: May produce irritation or contact dermatitis. Material generates methanol on contact with water or moisture in skin, eyes and mucous membranes and has an irritating, dehydrating effect on overexposed tissue. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation may irritate the respiratory tract.

Oral Toxicity: not determined

Inhalation: not determined

Eye Irritation: 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. On contact with water and moisture liberates methanol.

Hazardous decomposition products: Methanol, organic acid vapors and silicon dioxide.

Hazardous polymerization may occur if heated to temperatures >150°C.

## **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 use only.

Storage and Handling: Store in sealed containers.

Containers require grounding during use.

## **TRANSPORTATION**

DOT SHIPPING NAME: FLAMMABLE LIQUID, NOS  
(VINYL(CHLOROMETHYL)DIMETHOXYLANE)

DOT HAZARD CLASS: 3

DOT LABEL: FLAMMABLE LIQUID

DOT ID No: UN 1993

PG: II

Prepared by safety and environmental affairs    MSDS ISSUE DATE SIV9064.0: 5/9/12  
SUPERSEDES: none

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-3-(SIV9064.0)

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