

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME: **2-TRIMETHYLSILOXY-1,1,1,5,5,5-HEXAFLUOROPENT-2-ENE-4-ONE** - SIT8571.5
CHEMICAL NAME: 2-TRIMETHYLSILOXY-1,1,1,5,5,5-HEXAFLUOROPENT-2-ENE-4-ONE,
SYNONYMS: HFAC, TMS ENOL ETHER
CHEMICAL FAMILY: ORGANOSILANE
FORMULA: C₈H₁₀F₆O₂Si
HMIS CODES HEALTH: 4 FLAMMABILITY: 3 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
2-TRIMETHYLSILOXY-1,1,1,5,5,5-HEXAFLUOROPENT-2-ENE-4-ONE	75108-40-6	>95	not established

PHYSICAL DATA

Boiling Point: 125-7°C	Freezing Point: <0°C
Specific Gravity: not determined	Vapor Pressure, 25°: not determined
Vapor Density (air=1): >1	Solubility in water: insoluble, reacts slowly
% volatiles: 100	Evaporation rate: not determined
Molecular Weight: 280.25	Other: NA
Appearance & Color: Clear to straw liquid with mild odor.	

FIRE & EXPLOSION DATA

Flash Point, COC: >65°C (>150°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-(SIT8571.5)

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: Incinerate. 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 may irritate the respiratory tract. Overexposure may produce coughing, headache and nausea.

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.

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

Incompatibility (materials to avoid): Reacts with water and moisture in air liberating pentanedione (acetylacetone). Avoid contact with peroxides, oxidizing agents, acids.

Hazardous decomposition products: Organic acid vapors, pentanedione.

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SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV air-supplied or organic vapor 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: CORROSIVE LIQUID, N.O.S.

(2-TRIMETHYLSILOXY-1,1,1,5,5-HEXAFLUOROPENT-2-ENE-4-ONE)

DOT HAZARD CLASS: 8

DOT LABELS: CORROSIVE

DOT ID No: UN 1760

PG: III

Prepared by safety and environmental affairs

ISSUE DATE SIT8571.5: 9/3/03

SUPERSEDES: 8/6/99

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