

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: **ETHYL(2-TRIMETHYLSILYL)ACETATE - SIE4901.6**
CHEMICAL NAME: ETHYL(2-TRIMETHYLSILYL)ACETATE
SYNONYMS: ETHYL(TRIMETHYLSILYL)ACETATE
CHEMICAL FAMILY: ORGANOSILANE
FORMULA: C₇H₁₆O₂Si

HMIS CODES HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
ETHYL(2-TRIMETHYLSILYL)ACETATE	4071-88-9	>95	not established

PHYSICAL DATA

Boiling Point: 157-8°C	Freezing Point: <0°C
Specific Gravity: 0.876	Vapor Pressure, 20°C: not determined
Vapor Density (air=1): >1	Solubility in water: very slightly soluble
% volatiles: 100	Evaporation rate: not determined
Molecular Weight: 160.29	Other: NA
Appearance & Color: Clear to straw liquid with distinct mild odor.	

FIRE & EXPLOSION DATA

Flash Point, COC : 35°C (95°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-(SIE4901.6)

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 or particulates of 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, bases, acids.

Hazardous decomposition products: Organic acid vapors.

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, NOS
(ETHYL(2-TRIMETHYLSILYL)ACETATE)

DOT HAZARD CLASS: 3

DOT LABEL: FLAMMABLE LIQUID

DOT ID No: UN 1993

PG: III

Prepared by safety and environmental affairs

ISSUE DATE SIE4901.6: 7/14/03

SUPERSEDES: 8/15/96

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