

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: **METHYL-N-TRIMETHYLSILYL CARBAMATE - SIM6574.0**
CHEMICAL NAME: METHYL-N-TRIMETHYLSILYL CARBAMATE
SYNONYMS: O-METHYL-N-TRIMETHYLSILYLURETHANE
CHEMICAL FAMILY: ORGANOSILANE
FORMULA: C₅H₁₃NOSi

HMIS CODES HEALTH: 3 FLAMMABILITY: 3 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
METHYL-N-TRIMETHYLSILYL CARBAMATE	18147-09-6	>95%	not established

PHYSICAL DATA

Boiling Point: 66-7°C at 15mm	Freezing Point: <0°C
Specific Gravity: 0.96	Vapor Pressure, 25°: <5mm
Vapor Density (air =1): >1	Solubility in water: insoluble, reacts
% volatiles: <3%	Evaporation rate: not determined
Molecular Weight: 147.25	Other: NA
Appearance & Color: Clear to straw liquid with mild odor	

FIRE & EXPLOSION DATA

Flash Point, COC: 32°C (90°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.

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 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 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. The hydrolysis product, methyl carbamate, is an experimental tumorigen. Mutagenic data has been reported.

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 nitrogen.

Conditions to avoid: Flammable; avoid contact with heat, sparks or open flame. Degrades at temperatures above 80°C.

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

Hazardous decomposition products: Methyl carbamate, hexamethyldisiloxane, organic acid vapors.

-2-(SIM6574.0)

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: FLAMMABLE LIQUID, N.O.S.
(METHYL-N-TRIMETHYLSILYL CARBAMATE)

DOT HAZARD CLASS: 3

DOT LABELS: FLAMMABLE LIQUID

DOT ID No: UN1993

PG: III

Prepared by safety and environmental affairs

ISSUE DATE SIM6574.0: 8/8/03

SUPERSEDES: 2/25/00

The information contained in this document has been gathered from reference materials and/or Gelest, Inc. test data and is to the best knowledge and belief of Gelest, Inc. accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones which exist. Gelest, Inc. makes no warranties, express or implied, with respect to the use of such information and assumes no responsibility therefore.