

**MATERIAL SAFETY
DATA SHEET**

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NAME USED ON LABEL: DIALLYLTETRAMETHYLDISILOXANE
CHEMICAL NAME: DIALLYLTETRAMETHYLDISILOXANE
SYNONYMS: DIPROPENYLTETRAMETHYLDISILOXANE
CHEMICAL FAMILY: ORGANOSILANE
FORMULA: C₁₀H₂₂OSi₂
HMIS CODES HEALTH: 2 FLAMMABILITY: 3 REACTIVITY: 0

INGREDIENTS

IDENTITY

DIALLYLTETRAMETHYLDISILOXANE

CAS NO.	%	TLV	OSHA PEL
17955-81-6	>90	not established	not established
1-ALLYL -3-(1-PROPENYL)TETRAMETHYLDISILOXANE			
not found	<5	not established	not established

PHYSICAL DATA

Boiling Point: 179-180°C	Melting Point: <0°C
Specific Gravity: 0.821	Vapor Pressure: not determined
Vapor Density (air = 1): >1	Solubility in water: insoluble
% volatiles: 100	Evaporation rate (butyl acetate = 1): ~1
Molecular Weight: 214.45	Other: NA
Appearance & Color: Clear liquid, characteristic mild odor	

FIRE & EXPLOSION DATA

Flash Point, COC: >43°C (>110°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.

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: May cause immediate or delayed severe eye irritation.
Skin contact: May produce irritation or contact dermatitis.

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Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose, LC: Lethal Concentration; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; HMIS: Hazardous Material information System; CAS No.: Chemical Abstract Service Registration Number
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Inhalation: Inhalation may irritate the respiratory tract.
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. 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.

Hazardous decomposition products: Organic acid vapors and silicon dioxide.

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
(DIALLYLTETRAMETHYLDISILOXANE)

DOT HAZARD CLASS: 3

DOT LABEL: FLAMMABLE LIQUID

DOT ID No: UN 1993 PG: III

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