

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **4-LIMONENYLTRISILOXANE - DMS-NL04**
CHEMICAL NAME: 4-LIMONENYLTRISILOXANE
SYNONYMS: R-8-HYDRO-9-[(BIS(TRIMETHYLSILOXY)METHYLSILYL)LIMONENE
CHEMICAL FAMILY: ORGANOSILOXANE
FORMULA: C₁₇H₃₈O₂Si₃

HMIS CODES HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
4-LIMONENYLTRISILOXANE	1263044-00-3/1263043-99-7	>95	not established

PHYSICAL DATA

Boiling Point: 100°C@ 0.5mm
Specific Gravity: 0.879
Vapor Density (air=1): >1
% volatiles: <3
Molecular Weight: 358.74
Appearance & Color: Clear to straw liquid with mild odor

Freezing Point: <0°C
Vapor Pressure, 20°: <0.1mm
Solubility in water: insoluble
Evaporation rate (butyl acetate =1): <1
Viscosity, 25°: 4-5 cSt.

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.

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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: May cause immediate or delayed slight eye irritation.

Skin contact: Irritation not expected from available information.

Inhalation: Inhalation of vapors or particulates of 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, preferably from an ophthalmologist.

SKIN: In the event of irritation, 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.

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

Incompatibility (materials to avoid): Strong oxidizers.

Hazardous decomposition products: At elevated temperatures (exceeding 180°C) in the presence of acid, liberates 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: Oils, lubricating, O/T Petroleum, NOI

DOT HAZARD CLASS: Not Regulated

DOT LABEL: Not Required

DOT ID No: Not Required

Prepared by safety and environmental affairs MSDS ISSUE DATE DMS-NL04: 12/6/2013
SUPERSEDES: none

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