

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME: **MONO(2,3-EPOXY)PROPYL ETHER FUNCTIONAL POLY(DIMETHYLSILOXANE),
SYMMETRIC - MCS-E15**

CHEMICAL NAME: MONO(2,3-EPOXY)PROPYL ETHER ETHER FUNCTIONAL
POLY(DIMETHYLSILOXANE), SYMMETRIC

SYNONYMS: EPOXY FUNCTIONAL SILICONE OIL, GLYCIDOXYPROPYL FUNCTIONAL
POLYDIMETHYLSILOXANE

CHEMICAL FAMILY: SILICONE

HMIS CODES HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0

IDENTITY	CAS NO.	INGREDIENTS		
		%	TLV	OSHA PEL
MONO(2,3-EPOXY)PROPYL ETHER ETHER FUNCTIONAL POLY(DIMETHYLSILOXANE), SYMMETRIC	not found	>95		not established
OCTAMETHYLCYCLOTETRASIOXANE	556-67-2	<3		not established

PHYSICAL DATA

Boiling Point: >205°C
Specific Gravity: 1.09
Vapor Density (air = 1): NA
% volatiles: <5%
Molecular Weight: 600-1200
Appearance & Color: Clear liquid

Melting Point: <-60°C
Vapor Pressure: not determined
Solubility in water: insoluble
Evaporation rate: N/A
Viscosity: 40-60 cSt

FIRE & EXPLOSION DATA

Flash Point, COC: >110°C (>230°F) Autoignition Temp.: not determined
Flammability Limits- LEL: NA UEL: NA

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.

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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: Will cause immediate or delayed eye irritation.

Skin contact: No information available. Avoid Contact.

Inhalation: No information available. Avoid inhalation.

Oral Toxicity: not determined

Inhalation 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. Store in a cool dark environment.

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.

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OTHER PRECAUTIONS

For research use only.

Storage and Handling: Store in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS, NOI

DOT HAZARD CLASS: None required

DOT LABEL: None required

DOT ID No: None required

Prepared by safety and environmental affairs MSDS ISSUE DATE MCS-E15: 3/5/15
SUPERSEDES: 2/26/15

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