

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME: **(DIMETHYLSILOXANE)-(ETHYLENE OXIDE) BLOCK COPOLYMER** - DBE-224
CHEMICAL NAME: (DIMETHYLSILOXANE)-(ETHYLENE OXIDE) BLOCK COPOLYMER
SYNONYMS: POLYALKYLENEOXIDE MODIFIED POLYDIMETHYLSILOXANE
CHEMICAL FAMILY: SILICONE
HMIS CODES HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV	OSHA PEL
(DIMETHYLSILOXANE)-(ETHYLENE OXIDE) BLOCK COPOLYMER	68938-54-5	>95		not established
OCTAMETHYLCYCLOTETRA-SILOXANE	556-67-2	<2		not established
POLYALKYLENEOXIDE	27252-80-8	<5		not established

PHYSICAL DATA

Boiling Point: >205°C	Melting Point: <-29°C
Specific Gravity: 1.02	Vapor Pressure: < 5mm
Vapor Density, air = 1: NA	Solubility in water: insoluble
% volatiles: 1.4	Evaporation rate: NA
Molecular Weight: 8000-12000	Viscosity: 300-500 cSt
Appearance & Color: Clear to pale yellow viscous liquid	

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.

Hazardous decomposition products: Organic acid vapors, formaldehyde and silicon dioxide.

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is recommended. If operating at temperatures above 125°C ventilation 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 and industrial 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 ISSUE DATE DBE-224: 7/29/02
SUPERSEDES: 3/1/96

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