

# GELEST, INC.

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MATERIAL SAFETY  
DATA SHEET

EMERGENCY TELEPHONE  
CHEMTREC: 1-800-424-9300

NAME: **(DIMETHYLSILOXANE)-(ETHYLENE OXIDE) BLOCK COPOLYMER** - DBE-621  
CHEMICAL NAME: (DIMETHYLSILOXANE)-(ETHYLENE OXIDE) BLOCK COPOLYMER  
SYNONYMS: POLYALKYLENEOXIDE MODIFIED POLYDIMETHYLSILOXANE  
CHEMICAL FAMILY: SILICONE  
HMIS CODES HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0

## INGREDIENTS

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

## PHYSICAL DATA

Boiling Point: >205°C	Melting Point: 0°C
Specific Gravity: 1.03	Vapor Pressure: <5mm
Vapor Density, air = 1: NA	Solubility in water: soluble
% volatiles: <5	Evaporation rate: NA
Molecular Weight: 2500-3500	Viscosity: 80-120 cSt
Appearance & Color: Clear to pale yellow viscous liquid	

## FIRE & EXPLOSION DATA

Flash Point, COC: 116°C (240°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. 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-621: 7/14/98

SUPERSEDES: NONE

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