

Safety Data Sheet DBE-821 Date of issue: 12/08/2014 Revision date: 07/16/2015

Version: 2.0

SECTION 1: Identification of the subst	nce/mixture and of the company/undertaking		
1.1. Product identifier	nee/mixture and of the company/undertaking		
	Substance		
•	: Liquid DIMETHYLSH OYANE (80,85% ETHYLENE OYIDE) BLOCK CODOL VMED		
Product code :	: DIMETHYLSILOXANE-(80-85% ETHYLENE OXIDE) BLOCK COPOLYMER		
Synonyms .	POLYALKYLENEOXIDE MODIFIED POLYDIMETHYLSILOXANE; POLYALKYLENE POLYDIMETHYLSILOXANE		
Chemical family :	ORGANOSILOXANE		
1.2. Relevant identified uses of the substan	ce or mixture and uses advised against		
	Chemical intermediate For research and industrial use only		
1.3. Details of the supplier of the safety dat	sheet		
GELEST, INC. 11 East Steel Road Morrisville, PA 19067 USA T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM info@gelest.com - www.gelest.com	- 5:30 PM EST		
1.4. Emergency telephone number			
Emergency number :	CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)		
SECTION 2: Horordo identification			
SECTION 2: Hazards identification			
2.1. Classification of the substance or mixt	ire		
Classification (GHS-US) Not classified			
2.2. Label elements GHS-US labeling No labeling applicable			
2.3. Other hazards			
No additional information available			
2.4. Unknown acute toxicity (GHS US)			
No data available			
SECTION 3: Composition/information of	n ingredients		
3.1. Substance			
	Polymer		
ne : DIMETHYLSILOXANE-(80-85% ETHYLENE OXIDE) BLOCK COPOLYMER			
CAS No :	68938-54-5		
	614-827-5		
Name	Product identifier % Classification (GHS-US)		
Dimethylsiloxane-ethylene oxide block copolymer	(CAS No) 68938-54-5 > 80 Not classified		
Allyloxy(polyethylene oxide), methyl ether	(CAS No) 27252-80-8 < 20		
3.2. Mixture			

Not applicable

SECTION 4: First aid measures			
4.1. Description of first aid measures			
First-aid measures general		and shoes. In case of accident or if you feel now the label where possible). If possible sho bel.	,
First-aid measures after inhalation	: Remove victim to fresh air and unwell, seek medical advice.	keep at rest in a position comfortable for brea	athing. If you feel
07/16/2015	EN (English US)	SDS ID: DBE-821	Page 1

Safety Data Sheet

First-aid measures after eye contact : Immediately flush eyes horoughly with water for at least 15 munes. Remove contact lenses, i present and assay to do. Continue rinsing. Get medical advice/attention. First-aid measures after ingestion : Never give anything by mouth to an unconscious person. Get medical advice/attention. 42. Most important symptoms and effects, both actue and delayed Symptoms/injuries after ingestion : May cause skin initiation. Symptoms/injuries after six on contact : May cause skin initiation. Symptoms/injuries after ingestion : May cause spiral initiation. Symptoms/injuries after ingestion : May cause instribution. Symptoms/injuries after ingestion : Way cause instribution. Symptoms/injuries after ingestion : Way cause instribution. Symptoms/injuries after ingestion : Irintating fumes and organic ac		
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Symptoms/injuries after ingestion ! May be harmful if swallowed. 1. Indication of any immediate medical latention and special treatment needed No additional information available ESECTION S: Firefighting media Sublable extinguishing media Sublable extingu	Symptoms/injuries after skin contact	: May cause skin irritation.
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Storage area : Store in a well-ventilated place. Store away from heat.	6.1. Personal precautions, protective 6.1.1. For non-emergency personnel Protective equipment Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions Prevent entry to sewers and public waters. No. 6.3. Methods and material for contain Methods for cleaning up 6.4. Reference to other sections See Heading 8. Exposure controls and personal precautions for safe handling Precautions for safe handling Precautions for safe storage, inc 7.1. Conditions for safe storage, inc	 e equipment and emergency procedures Wear protective equipment as described in Section 8. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection". Notify authorities if liquid enters sewers or public waters. Inment and cleaning up Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. onal protection. e Avoid all eye and skin contact and do not breathe vapor and mist. Use only outdoors or in a well-ventilated area. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.
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Safety Data Sheet

SECTION 8: Exposure controls/pe	rsonal protection
8.1. Control parameters	
No additional information available	
8.2. Exposure controls	
Appropriate engineering controls	: Provide local exhaust or general room ventilation.
Personal protective equipment	: Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should available in the immediate vicinity of any potential exposure.
Hand protection	: Neoprene or nitrile rubber gloves.
Eye protection	: Chemical goggles. Contact lenses should not be worn.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified organic vapor (black cartridge) respirator.
SECTION 9: Physical and chemica	
9.1. Information on basic physical and	
Physical state	: Liquid
Appearance	: Clear liquid. Viscous.
Molecular mass	: 4400 g/mol
Color	: Pale yellow.
Odor	: No data available
Odor threshold	: No data available
Refractive index	: 1.454
рН	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: -12 °C
Freezing point	: No data available
Boiling point	: > 205 °C
Flash point	: 93 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: < 5 mm Hg
Relative vapor density at 20 °C	: No data available
Relative density	: 1.07
VOC content	: 3%
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: 100 - 120 cSt
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available
9.2 Other information	

9.2. Other information

No additional information available

 SECTION 10: Stability and reactivity

 10.1.
 Reactivity

 No additional information available

 10.2.
 Chemical stability

 Stable.

 10.3.
 Possibility of hazardous reactions

 No additional information available

Safety Data Sheet

10.4. Conditions to avoid			
Heat. Open flame. Sparks.			
10.5. Incompatible materials			
Oxidizing agent.			
10.6. Hazardous decomposition products			
Organic acid vapors. Formaldehyde. Silicon diox			
SECTION 11: Toxicological informat	ion		
11.1. Information on toxicological effects			
Acute toxicity	: Not classified		
Allyloxy(polyethylene oxide), methyl ether (27252-80-8)		
LD50 oral rat	> 500 mg/kg		
ATE US (oral)	500.000 mg/kg body weight		
Skin corrosion/irritation	: Not classified		
Serious eye damage/irritation	: Not classified		
Respiratory or skin sensitization	: Not classified		
Germ cell mutagenicity	: Not classified		
Carcinogenicity	: Not classified		
Reproductive toxicity	: Not classified		
Specific target organ toxicity (single exposure)	: Not classified		
Specific target organ toxicity (repeated	: Not classified		
exposure)			
Aspiration hazard	: Not classified		
Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract.		
Symptoms/injuries after skin contact	: May cause skin irritation.		
Symptoms/injuries after eye contact	: May cause eye irritation.		
Symptoms/injuries after ingestion	: May be harmful if swallowed.		
SECTION 12: Ecological information			
12.1. Toxicity			
No additional information available			
12.2. Persistence and degradability			
No additional information available			
12.3. Bioaccumulative potential			
No additional information available			
12.4. Mobility in soil			
12.4.Mobility in soilNo additional information available			
12.4.Mobility in soilNo additional information available12.5.Other adverse effects	: No additional information available		
Mobility in soil No additional information available 12.5. Other adverse effects Effect on ozone layer	 No additional information available No known ecological damage caused by this product. 		
12.4. Mobility in soil No additional information available 12.5. Other adverse effects Effect on ozone layer Effect on the global warming	: No known ecological damage caused by this product.		
12.4.Mobility in soilNo additional information available12.5.Other adverse effectsEffect on ozone layer	: No known ecological damage caused by this product.		
12.4. Mobility in soil No additional information available 12.5. Other adverse effects Effect on ozone layer Effect on the global warming	: No known ecological damage caused by this product.		
Mobility in soil No additional information available 12.5. Other adverse effects Effect on ozone layer Effect on the global warming SECTION 13: Disposal consideration	 No known ecological damage caused by this product. IS Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of 		
Mobility in soil No additional information available 12.5. Other adverse effects Effect on ozone layer Effect on the global warming SECTION 13: Disposal consideration 13.1. Waste treatment methods	: No known ecological damage caused by this product.		
Mobility in soil No additional information available 12.5. Other adverse effects Effect on ozone layer Effect on the global warming SECTION 13: Disposal consideration 13.1. Waste treatment methods Waste disposal recommendations Ecology - waste materials	 No known ecological damage caused by this product. Is Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility. 		
Mobility in soil No additional information available 12.5. Other adverse effects Effect on ozone layer Effect on the global warming SECTION 13: Disposal consideration 13.1. Waste treatment methods Waste disposal recommendations Ecology - waste materials SECTION 14: Transport information	 No known ecological damage caused by this product. Is Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility. 		
12.4. Mobility in soil No additional information available 12.5. Other adverse effects Effect on ozone layer Effect on the global warming SECTION 13: Disposal consideration 13.1. Waste treatment methods Waste disposal recommendations Ecology - waste materials SECTION 14: Transport information 14.1. UN number	 No known ecological damage caused by this product. Is Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility. 		
12.4. Mobility in soil No additional information available 12.5. Other adverse effects Effect on ozone layer Effect on the global warming SECTION 13: Disposal consideration 13.1. Waste treatment methods Waste disposal recommendations Ecology - waste materials SECTION 14: Transport information 14.1. UN number Not regulated for transport.	 No known ecological damage caused by this product. Is Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility. 		
Mobility in soil No additional information available 12.5. Other adverse effects Effect on ozone layer Effect on the global warming SECTION 13: Disposal consideration 13.1. Waste treatment methods Waste disposal recommendations Ecology - waste materials SECTION 14: Transport information 14.1. UN number Not regulated for transport. 14.2. UN proper shipping name	 No known ecological damage caused by this product. Is Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility. 		
12.4. Mobility in soil No additional information available 12.5. Other adverse effects Effect on ozone layer Effect on the global warming SECTION 13: Disposal consideration 13.1. Waste treatment methods Waste disposal recommendations Ecology - waste materials SECTION 14: Transport information 14.1. UN number Not regulated for transport. 14.2. UN proper shipping name Not applicable	 No known ecological damage caused by this product. Is Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility. 		
 12.4. Mobility in soil No additional information available 12.5. Other adverse effects Effect on ozone layer Effect on the global warming SECTION 13: Disposal consideration 13.1. Waste treatment methods Waste disposal recommendations Ecology - waste materials SECTION 14: Transport information 14.1. UN number Not regulated for transport. 14.2. UN proper shipping name	 No known ecological damage caused by this product. Is Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility. 		

Safety Data Sheet

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information	
5.1. US Federal regulations	
Allyloxy(polyethylene oxide), methyl ether (27252-80-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Dimethylsiloxane-ethylene oxide block copolymer (68938-54-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
5.2. International regulations	
Allyloxy(polyethylene oxide), methyl ether (27252-80-8)	
Listed on the AICS (Australian Inventory of Chemical Substances) Listed on the Canadian DSL (Domestic Sustances List) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Listed on NZIOC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)	
Dimethylsiloxane-ethylene oxide block copolymer (68938-54-5)	
Listed on the AICS (Australian Inventory of Chemical Substances) Listed on the Canadian DSL (Domestic Sustances List) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Listed on NZIOC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)	

15.3. US State regulations

DIMETHYLSILOXANE-(80-85% ETHYLENE OXIDE) BLOCK COPOLYMER(68938-54-5)			
U.S California - Proposition 65 - Carcinogens List	No		
U.S California - Proposition 65 - Developmental Toxicity	No		
U.S California - Proposition 65 - Reproductive Toxicity - Female	No		
U.S California - Proposition 65 - Reproductive Toxicity - Male	No		

Allyloxy(polyethylene oxic	Allyloxy(polyethylene oxide), methyl ether (27252-80-8)			
U.S California -	U.S California -	U.S California -	U.S California -	No significance risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	
		Female	Male	
No	No	No	No	
Dimethylsiloxane-ethylene	oxide block copolymer (689	38-54-5)		
U.S California -	U.S California -	U.S California -	U.S California -	No significance risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	
		Female	Male	
No	No	No	No	

SECTION 16: Other information

: Removed NA1993 classification. Removed classification from section 2.

Safety Data Sheet

Abbreviations and acronyms	Concentration; ATE: / millimeters Hg, torr; P threshold limit value; Health; IARC: Interna Program; HMIS: Haza Registration Number;	: Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemcial Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development.		
Full text of H-phrases::				
Acute Tox. 4 (Oral)		Acute toxicity (oral) Category 4		
H302		Harmful if swallowed		
Health Flammability Physical	 2 Moderate Hazard - Temporary or minor injury may occur 1 Slight Hazard 0 Minimal Hazard 			
Prepared by safety and environm	nental affairs.			
Date of issue: 12/08/2014 Re	vision date: 07/16/2015 Version: 2.0			
SDS US (GHS HazCom 2012) - Cust	om			
According to Federal Register / Vol. 7	7, No. 58 / Monday, March 26, 2012 / Rules an	d Regulations		
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