

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		
<b>GELEST, INC.</b> 11 East Steel Road Morrisville, PA 19067 <b>USA</b> 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
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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		
Present and easy to do. Continue misning. Get medical advice/attention. Fretsal measures after ingestion Present and easy to do. Continue misning. Get medical advice/attention.  4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries after six contact Present and advice intration to the respiratory tract. Symptoms/injuries after six contact Present and advice/attention on the sepiratory tract. Symptoms/injuries after six contact Present and advice/attention and special treatment needed Present and advice/attention and special treatment needed Present and Present and Present and Present Present Present and Present and Present Present Present Present and Present Prese	First-aid measures after skin contact	: Wash with plenty of soap and water.
4.2. Most important symptoms and effects, both acute and delayed         Symptoms/injuries after sin contact       : May cause sin infraition to the respiratory tract.         Symptoms/injuries after sin contact       : May cause set infraition.         Symptoms/injuries after sin contact       : May cause set infraition.         Symptoms/injuries after sin contact       : May cause set infraition.         Symptoms/injuries after sin contact       : May cause set infraition.         Symptoms/injuries after sin contact       : May cause set infraition.         Symptoms/injuries after sin contact       : May cause set infraition.         Symptoms/injuries after sin contact       : May cause set infraition.         Symptoms/injuries after sin contact       : May cause set infraition.         Symptoms/injuries after sin contact       : May cause set infraition.         Special hazards arising from the substance or mixture       :         Fireflighting instructions       : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fireflighting         Special hazards arising from the substance or mixture       :         Fireflighting instructions       : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fireflighting         Special hazards arising from the substance or mixture       :         Fireflighting instructions       : Use water spray or f	First-aid measures after eye contact	
Symptoms/njuries after inhabation         : May cause erithation to the respiratory tract.           Symptoms/njuries after skin contact         : May cause exist initiation.           Symptoms/njuries after skin contact         : May cause exist initiation.           Symptoms/njuries after sin contact         : May cause exist initiation.           Symptoms/njuries after sin contact         : May be harmful if swaltowed.           4.3.         Indication of any immediate medical attention and special treatment needed           No additional information available         : Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.           Unsuitable exinguishing media         : Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.           Unsuitable exinguishing media         : Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.           Unsuitable exinguishing media         : Intrating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.           5.2         Special hazards arising from the substance or mixture         :           Friefighting instructions         : Intrating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.           5.1         Advice for firefightors         : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical.           Friedphing instructions         : Use water spray or fog for cooling exposed containers.     <	First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Get medical advice/attention.
Symptoms/njuries alter sixin contact         : May cause skin initiation.           Symptoms/njuries alter sixin contact         : May cause exin initiation.           Symptoms/njuries alter ingestion         : May cause exin initiation.           Symptoms/njuries alter ingestion         : May cause exin initiation.           No additional information available         : Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.           Suitable exinguishing media         : Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.           Suitable exinguishing media         : None known.           5.1         Section 6 arising from the substance or mixture           Fire hazad         : Initiating furnes and organic acid vapors may develop when material is exposed to elevate temperatures or open fiame.           5.3         Advice for firefighters           Firefighting instructions         : Use water spray of fog for cooling exposed containers. Exercise caution when fighting any chemical fire.           Protection during firefighting         : Do not enter fire area without proper protective equipment. including respiratory protection.           State equipment         : Wear protective equipment as described in Section 8.           Entergreps procedures         : Evacuate unnecessary personnel.           F.1.1         For non-emergency personnel           Protective equipment         : Wear protective equipment as described in Section 8.	4.2. Most important symptoms and e	effects, both acute and delayed
Symptoms/injuries after yee contact       : May be harmful if swallowed.         Symptoms/injuries after ingestion       : May be harmful if swallowed.         No additional information available       Section 0 fary immediate medical attention and special treatment needed         No additional information available       Section 0 fary immediate medical attention and special treatment needed         Statuse extinguishing media       : Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.         Junsuitable extinguishing media       : None known.         Statuse extinguishing media       : Initiating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open fame.         Statuse extinguishing media       : Initiating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open fame.         Statuse extinguishing media       : Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.         Statuse equipment       : Do not enter fire area without proper protective equipment. Equip cleanup crew with proper protective equipment as described in Section 8.         Entregreptory procedures       : Evacuate unnecessary personnel.         Statuse equipment       : Do not attermpt to take acion without suitable protective equipment. Equip cleanup crew with proper protective equipment. Four protective equipment and elevate acion. Without suitable protective equipment. Equip cleanup crew with proper protection.	Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract.
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.
A.3.       Indication of any immediate medical attention and special treatment needed         No additional information available         SECTION 5: Firefighting measures         S.1.       Extinguishing media         Suitable extinguishing media       : Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.         Unsuitable extinguishing media       : None known.         S.2.       Special hazards arising from the substance or mixture         Fire fighting instructions       : Initiating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open fiame.         S.3.       Advice for firefighters         Firefighting instructions       : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.         Protection during firefighting       : Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.         SECTION 6: Accidental release measures       : Wear protective equipment as described in Section 8.         Firefighting up coodures       : Evacuate unnecessary personnel.         Friedetive equipment       : Do not attempt to take acion without suitable protective equipment. Equip cleanup crew with proper protection. For unterper synay or go sposed container 8: "Exposure controls/personal protection".         8.1.2. For emergency responders       : Do not attempt to take acion without suitable protective equipment	Symptoms/injuries after eye contact	: May cause eye irritation.
No additional information available SECTION 5: Firefighting measures 5.1 Extinguishing media Situatie extinguishing media Situation extinguishing media Situatie extinguishing media Situation e	Symptoms/injuries after ingestion	: May be harmful if swallowed.
SECTION 5: Firefighting media         Extinguishing media           Suitable extinguishing media         : Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.           Jouitable extinguishing media         : None known.           5.2.         Special hazards arising from the substance or mixture           Fire hazard         : Initiating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.           5.3.         Advice for firefighters           Firefighting instructions         : Use water spray or fog for cooling exposed containers. Exercise caution when flighting any chemical life.           Protection during firefighting         : Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.           SECTION 6: Accidental release measures         Evacuate unnecessary personnel.           5.1.         Personal precautions, protective equipment and emergency procedures           5.1.         For non-emergency personnel           * Wear protective equipment         : Wear protective equipment as described in Section 8.           5.2.         For menergency responders           * Do not attempt to take action without suitable protective equipment. Equip eleanup crew with proper protection.           5.2.         Environmental precautions           Prevent entry to severs and public waters.         Sord eleanup ary	4.3. Indication of any immediate me	dical attention and special treatment needed
5.1       Extinguishing media       : Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.         Suitable extinguishing media       : None known.         5.2       Special hazards arising from the substance or mixture         Fire hazard       : Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.         5.3       Advice for firefighters       : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical flee.         Protection       during firefighting       : Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.         SECTION 6: Accidental release measures       Evaluate unnecessary personnel.         6.1.1       For non-emergency personnel       : Wear protective equipment as described in Section 8.         Energency procedures       : Evaluate unnecessary personnel.         6.1.2       For emergency responders       : Do not entern information refer to section 8.         Protective equipment       : On the appropriate containers. Exposure controls/personal procedures         8.2.0       For emergency responders       : Do not entern to fase acion without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8.: "Exposure controls/personal protection".         8.2.1       For emergency responders       : Clean up any	No additional information available	
5.1       Extinguishing media       : Wate spray. Water spray. Carbon dioxide. Dry chemical.         Suitable extinguishing media       : None known.         5.2       Special hazards arising from the substance or mixture         Fire hazard       : Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.         5.3       Advice for firefighters       : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.         Protection during firefighting       : Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.         SECTION 6: Accidental release measures       Exercise equipment and emergency procedures         6.1.1       For non-emergency personnel       : Wear protective equipment as described in Section 8.         Emergency procedures       : Do not enter fire area without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8.         Emergency procedures       : Evacuate unnecessary personnel.         6.1.2       For emergency responders         Protective equipment       : Do not attempt to fake action without suitable protective equipment. Equip cleanup crew with proper protection         6.2.2       For emergency responders       : Do not attempt to fake action without suitable protective equipment.         Protec	SECTION 5: Firefighting measure	25
Unsuitable extinguishing media : None known. 5.2. Special hazards arising from the substance or mixture Fire hazard : Initiating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame. 5.3. Advice for firefighters Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. 5.4. Advice dor firefighters Firefighting instructions, protective equipment and emergency procedures 6.1.1. For non-emergency personnel Protective equipment : Wear protective equipment as described in Section 8. Energency procedures : Evacuate unnecessary personnel. 6.1.2. For emergency responders Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. 6.2. Environmental precautions Protection. 6.3. Methods and material for containment and cleaning up Methods for cleaning up Stovel store soctions 6.4. Reference to other sections SECTION 57. Handling and storage Firefight in gand storage Firefight of safe handling Precautions for safe handling Precautions for safe handling Precautions for safe handling Firefight in proper protective equipment and exercise areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. 7. Conditions for safe storage, including any incompatibilities Storage conditions Storage		
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6.1.       Personal precautions, protective equipment and emergency procedures         6.1.1.       For non-emergency personnel         Protective equipment       : Wear protective equipment as described in Section 8.         Ermergency procedures       : Evacuate unnecessary personnel.         6.1.2.       For emergency responders         Protective equipment       : 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".         6.2.       Environmental precautions         Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.         6.3.       Methods and material for containment and cleaning up         Methods for 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.         6.4.       Reference to other sections         See Heading 8. Exposure controls and personal protection.         SECTION 7: Handling and storage         7.1.       Precautions for safe handling         Precautions for safe handling       : Avoid all eye and skin contact and do not breathe vapor and mist. Use only outdoors or in a well-ventilated area.         Hygiene measures       : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash conta		
6.1.1. For non-emergency personnel       : Wear protective equipment as described in Section 8.         Emergency procedures       : Evacuate unnecessary personnel.         6.1.2. For emergency responders       : 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".         6.2. Environmental precautions       : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection".         6.3. Methods and material for containment 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.         6.4. Reference to other sections       : Evecution.         SECTION 7: Handling and storage       : Avoid all eye and skin contact and do not breathe vapor and mist. Use only outdoors or in a well-ventilated area.         Hygiene measures       : 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.         7.2. Conditions for safe storage, including any incompatibilities       : Keep container tightly closed.         Borage conditions       : Keep container tightly closed.         Incompatible materials       : Oxidizing agent.	SECTION 6: Accidental release m	neasures
Protective equipment       : Wear protective equipment as described in Section 8.         Emergency procedures       : Evacuate unnecessary personnel.         6.1.2. For emergency responders       : 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".         6.2. Environmental precautions       Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.         6.3. Methods and material for containment 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.         6.4. Reference to other sections       . Evacuate and skin contact and do not breathe vapor and mist. Use only outdoors or in a well-ventilated area.         Precautions for safe handling       : Avoid all eye and skin contact and do not breathe vapor and mist. Use only outdoors or in a well-ventilated area.         Hygiene measures       : 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.         7.2. Conditions for safe storage, including any incompatibilities       : Keep container tightly closed.         Incompatible materials       : Oxidizing agent.		
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6.1.2. For emergency responders <ul> <li>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".</li> <li>6.2. Environmental precautions</li> <li>Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.</li> <li>6.3. Methods and material for containment and cleaning up</li> <li>Methods for cleaning up</li> <li>Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal.</li> <li>6.4. Reference to other sections</li> <li>Section 7: Handling and storage</li> <li>7.1. Precautions for safe handling</li> <li>Avoid all eye and skin contact and do not breathe vapor and mist. Use only outdoors or in a well-ventilated area.</li> <li>Hygiene measures</li> <li>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.</li> <li>7.2. Conditions for safe storage, including any incompatibilities</li> <li>Storage conditions</li> <li>Keep container tightly closed.</li> <li>Oxidizing agent.</li> </ul>	6.1.Personal precautions, protective6.1.1.For non-emergency personnel	e equipment and emergency procedures
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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	<ul> <li>e equipment and emergency procedures <ul> <li>Wear protective equipment as described in Section 8.</li> <li>Evacuate unnecessary personnel.</li> <li>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".</li> </ul> </li> <li>Notify authorities if liquid enters sewers or public waters.</li> <li>Inment and cleaning up <ul> <li>Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal.</li> </ul> </li> <li>onal protection.</li> <li>e <ul> <li>Avoid all eye and skin contact and do not breathe vapor and mist. Use only outdoors or in a well-ventilated area.</li> <li>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.</li> </ul> </li> </ul>
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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

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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.		
<b>SECTION 12: Ecological information</b>			
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	<ul> <li>No additional information available</li> <li>No known ecological damage caused by this product.</li> </ul>		
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	<ul> <li>No known ecological damage caused by this product.</li> <li>IS</li> <li>Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of</li> </ul>		
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	<ul> <li>No known ecological damage caused by this product.</li> <li>Is</li> <li>Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.</li> </ul>		
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	<ul> <li>No known ecological damage caused by this product.</li> <li>Is</li> <li>Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.</li> </ul>		
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	<ul> <li>No known ecological damage caused by this product.</li> <li>Is</li> <li>Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.</li> </ul>		
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.	<ul> <li>No known ecological damage caused by this product.</li> <li>Is</li> <li>Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.</li> </ul>		
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	<ul> <li>No known ecological damage caused by this product.</li> <li>Is</li> <li>Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.</li> </ul>		
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	<ul> <li>No known ecological damage caused by this product.</li> <li>Is</li> <li>Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.</li> </ul>		
<ul> <li>12.4. Mobility in soil No additional information available </li> <li>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</li></ul>	<ul> <li>No known ecological damage caused by this product.</li> <li>Is</li> <li>Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.</li> </ul>		

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#### 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	<ul> <li>2 Moderate Hazard - Temporary or minor injury may occur</li> <li>1 Slight Hazard</li> <li>0 Minimal Hazard</li> </ul>			
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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