Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of Revision: 11/02/2023 Date of Issue: 01/13/2014





Version: 5.0

SECTION 1: Identification

1.1. Product Identifier

Product Form Product Name Synonyms Mixture MED-4980 Part A Silicone Elastomer

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Use of the Substance/Mixture For professional use only.

1.3. Details of the Supplier of the Safety Data Sheet

NuSil Technology LLC 1050 Cindy Lane Carpinteria, California 93013 USA (805) 684-8780 productstewardship@avantorsciencesgcc.com www.nusil.com

1.4. Emergency Telephone Number

Emergency800-424-9300 CHEMTREC (in US); +1 703-527-3887 CHEMTREC (International
and Maritime)

SECTION 2: Hazards Identification

2.1. Classification of the Substance or Mixture

GHS-US Classification

Repr. 2H361Aquatic Chronic 3H412Full text of hazard classes and H-statements: see section 16

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Warning

Signal Word (GHS-US) Hazard Statements (GHS-US)

Precautionary Statements (GHS-US)

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection.

H361 - Suspected of damaging fertility or the unborn child H412 - Harmful to aquatic life with long lasting effects

P308+P313 - If exposed or concerned: Get medical advice/attention.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

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2.3. Other Hazards

Other Hazards Not Contributing Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: Composition/Information On Ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product Identifier	%	GHS-US Classification
Silanamine, 1,1,1-trimethyl-N- (trimethylsilyl)-, hydrolysis products with silica	(CAS No) 68909-20-6	20 - 40	Not classified
Octamethylcyclotetrasiloxane	(CAS-No.) 556-67-2	< 0.25	Flam. Liq. 3, H226 Repr. 2, H361 Aquatic Chronic 1, H410

Full text of H-phrases: see section 16

SECTION 4: First Aid Measures

4.1. Description of First-aid Measures

First-aid Measures General	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid Measures After Inhalation	When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.
First-aid Measures After Skin Contact	Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.
First-aid Measures After Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
First-aid Measures After	Rinse mouth. Do NOT induce vomiting. Obtain medical
Ingestion	attention.
4.2. Most Important Symptoms	and Effects Both Acute and Delayed
Symptoms/Injuries	Suspected of damaging fertility or the unborn child.
Symptoms/Injuries After Inhalation	Prolonged exposure may cause irritation.
Symptoms/Injuries After Skin Contact	Prolonged exposure may cause skin irritation.
Symptoms/Injuries After Eye Contact	May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion	Ingestion may cause adverse effects.
Chronic Symptoms	Suspected of damaging fertility or the unborn child.

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4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing Media

Suitable Extinguishing Media : Water spray, dry chemical, foam, carbon dioxide. Unsuitable Extinguishing Media : Do not use a heavy water stream. Use of heavy stream of water

may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard	Not considered flammable but may burn at high temperatures.
Explosion Hazard	Product is not explosive.
Reactivity	Hazardous reactions will not occur under normal conditions.
5.3. Advice for Firefighters	
Precautionary Measures Fire	Exercise caution when fighting any chemical fire.
Firefighting Instructions	Use water spray or fog for cooling exposed containers.
Protection During Firefighting	Do not enter fire area without proper protective equipment,
	including respiratory protection.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment And Emergency Procedures

6.1. rersonal rrecautions, r	rotective Equipment And Emergency Procedures
General Measures	Do not get in eyes, on skin, or on clothing. Do not breathe
	vapor, mist or spray.
6.1.1. For Non-Emergency Perso	onnel
Protective Equipment	Use appropriate personal protective equipment (PPE).
Emergency Procedures	Evacuate unnecessary personnel.
6.1.2. For emergency responde	rs
Protective Equipment	Equip cleanup crew with proper protection.
Emergency Procedures	Upon arrival at the scene, a first responder is expected to
	recognize the presence of dangerous goods, protect oneself
	and the public, secure the area, and call for the assistance of
	trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

Contain any spills with dikes or absorbents to prevent migration
and entry into sewers or streams.
Clean up spills immediately and dispose of waste safely.
Transfer spilled material to a suitable container for disposal.
Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

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SECTION 7: Handling And Storage

7.1. Precautions for Safe Handling

Precautions for Safe Handling	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do NOT breathe (vapor,
	mist, spray).
Hygiene Measures	Handle in accordance with good industrial hygiene and safety
	procedures.
7.2. Conditions for Safe Storage	e, Including Any Incompatibilities
Technical Measures	Comply with applicable regulations.
Storage Conditions	Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.
Incompatible Materials	Strong acids, strong bases, strong oxidizers.
7.3. Specific End Use(s) For professional use only.	

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), or OSHA (PEL).

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica (68909-20-6)		
USA OSHA	OSHA PEL (TWA) (mg/m³)	6 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	20 mppcf (80 mg/m³/%SiO ₂)

8.2. Exposure Controls

Appropriate Engineering	J
Controls	

Personal Protective Equipment

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



Materials For Protective Clothing Hand Protection Eye And Face Protection Skin And Body Protection Respiratory Protection Chemically resistant materials and fabrics.

Wear protective gloves. Chemical safety goggles. Wear suitable protective clothing. If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

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Other Information

When using, do not eat, drink or smoke.

SECTION 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties 9.1.

	a onennear ropenne
Physical State	Liquid
Appearance	Colorless
Odor	Odorless
Odor Threshold	No data available
рН	No data available
Evaporation Rate	No data available
Melting Point	No data available
Freezing Point	No data available
Boiling Point	No data available
Flash Point	> 135 °C (275 °F)
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Flammability (solid, gas)	Not applicable
Vapor Pressure	No data available
Relative Vapor Density at 20 °C	No data available
Relative Density	>]
Solubility	No data available
Partition Coefficient n-Octanol/Water	No data available
Viscosity	No data available
9.2. Other Information	

Other Information

VOC content

<1%

SECTION 10: Stability and Reactivity

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

10.2. Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

10.4. Conditions to Avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible Materials

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products

Will decompose above 150 °C (> 300 °F) releasing formaldehyde vapors. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation.

SECTION 11: Toxicological Information

11.1. Information on Toxicoloaical Effects

Acute Toxicity	: Not classified	
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Octamethylcyclotetrasiloxane (556-67-2)
LD50 Oral Rat	> 4800 mg/kg (No mortality)
LD50 Dermal Rat	> 2375 mg/kg
LD50 Dermal Rabbit	> 2.5 ml/kg (No mortality)
LC50 Inhalation Rat	36 mg/l/4h
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	: Suspected of damaging fertility or the unborn child.
Specific Target Organ Toxicity (Si Exposure)	ngle : Not classified
Specific Target Organ Toxicity (R Exposure)	epeated : Not classified
Aspiration Hazard	Not classified
Symptoms/Injuries After Inhalation	Prolonged exposure may cause irritation.
Symptoms/Injuries After Skin Contact	Prolonged exposure may cause skin irritation.
Symptoms/Injuries After Eye Contact	May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion	Ingestion may cause adverse effects.
Chronic Symptoms	Suspected of damaging fertility or the unborn child.

SECTION 12: Ecological Information

12.1. Toxicity

12.2. Persistence and Degradability		
NOEC Chronic Fish	0.0044 mg/l	
LC50 Fish	> 22 µg/l	
Octamethylcyclotetrasilox	ane (556-67-2)	
Ecology - General	Harmful to aquatic life with long lasting effects.	
-		

MED-4980 Part A

Persistence and Degradability May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential MED-4980 Part A **Bioaccumulative Potential** Not established. Octamethylcyclotetrasiloxane (556-67-2) BCF Fish 1 (12400 dimensionless) Partition coefficient n-6.488 (at 25.1 °C) octanol/water (Log Pow)

12.4. Mobility In Soil

No additional information available

12.5. Other Adverse Effects

Other Information Avoid release to the environment.

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Waste Disposal	Dispose of contents/container in accordance with local,
Recommendations	regional, national, and international regulations.
Additional Information	Container may remain hazardous when empty. Continue to
	observe all precautions.
Ecology - Waste Materials	Avoid release to the environment.

SECTION 14: Transport Information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT Not regulated for transport

- 14.2. In Accordance with IMDG Not regulated for transport
- **14.3.** In Accordance with IATA Not regulated for transport

SECTION 15: Regulatory Information

15.1. US Federal Regulations

All components in this mixture are listed on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, have been exempted, or are not disclosed due to CBI requirements or disclosure rules according to the relevant regulation.

MED-4980 Part A	
SARA Section 311/312 Hazard	Health hazard - Reproductive toxicity
Classes	

15.2. US State Regulations

Silanamir	ne, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica (68909-20-6)
U.S Texc	as - Effects Screening Levels - Long Term
U.S Texc	as - Effects Screening Levels - Short Term
Octamet	thylcyclotetrasiloxane (556-67-2)
U.S Texc	as - Effects Screening Levels - Long Term
U.S Texc	as - Effects Screening Levels - Short Term
U.S Mai	ine - Chemicals of Concern
U.S Ore	egon - Priority Persistent Pollutant - Tier I - Persistent Pollutants
U.S Mini	nesota - Chemicals of High Concern
U.S Min	nesota - Chemicals of High Concern - Persistent Bioaccumulative Toxins
U.S Cali	lifornia - Safer Consumer Products - Initial List of Candidate Chemicals and Chemical
Groups	

SECTION 16: Other Information, Including Date of Preparation or Last Revision

Date of Preparation or Latest	11/02/2023
Revision	
Other Information	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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	Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1	
	Flam. Liq. 3	Flammable liquids Category 3	
	Repr. 2	Reproductive toxicity Category 2	
	H226	Flammable liquid and vapor	
	H361	Suspected of damaging fertility or the unborn child	
	H410	Very toxic to aquatic life with long lasting effects	
NFPA	Health Hazard	1 - Materials that, under emergency conditions, can cause significant irritation.	
NFPA	Fire Hazard	1 - Materials that must be preheated before ignition can occur.	
NFPA	Reactivity Hazard	0 - Material that in themselves are normally stable, even under fire conditions.	
HMIS	III Rating		
Heal	th -	 Slight Hazard - Irritation or minor reversible injury possible Chronic - Chronic (long-term) health effects may result from repeated overexposure 	
Flammability1 Slight HazardPhysical0 Minimal Hazard		1 Slight Hazard	

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NUSILUS GHS SDS

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According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of Revision: 11/02/2023 Date of Issue: 01/13/2014





Version: 5.0

SECTION 1: Identification

1.1. Product Identifier

Product Form Product Name Synonyms Mixture MED-4980 Part B Silicone Elastomer

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Use of the Substance/Mixture For professional use only.

1.3. Details of the Supplier of the Safety Data Sheet

NuSil Technology LLC 1050 Cindy Lane Carpinteria, California 93013 USA (805) 684-8780 productstewardship@avantorsciencesgcc.com www.nusil.com

1.4. Emergency Telephone Number

Emergency800-424-9300 CHEMTREC (in US); +1 703-527-3887 CHEMTREC (International
and Maritime)

SECTION 2: Hazards Identification

2.1. Classification of the Substance or Mixture

GHS-US Classification

Repr. 2H361Aquatic Chronic 3H412Full text of hazard classes and H-statements: see section 16

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Warning

Signal Word (GHS-US) Hazard Statements (GHS-US)

Precautionary Statements (GHS-US)

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection.

H361 - Suspected of damaging fertility or the unborn child H412 - Harmful to aquatic life with long lasting effects

P308+P313 - If exposed or concerned: Get medical advice/attention.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

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2.3. Other Hazards

Other Hazards Not Contributing Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: Composition/Information On Ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product Identifier	%	GHS-US Classification
Silanamine, 1,1,1-trimethyl-N- (trimethylsilyl)-, hydrolysis products with silica	(CAS No) 68909-20-6	20 - 40	Not classified
3-Butyn-2-ol, 2-methyl-	(CAS No) 115-19-5	< 1	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Repr. 2, H361 STOT SE 3, H336
Octamethylcyclotetrasiloxane	(CAS-No.) 556-67-2	< 0.25	Flam. Liq. 3, H226 Repr. 2, H361 Aquatic Chronic 1, H410

Full text of H-phrases: see section 16

SECTION 4: First Aid Measures

4.1. Description of First-aid Measures

First-aid Measures General	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid Measures After	When symptoms occur: go into open air and ventilate
Inhalation	suspected area. Obtain medical attention if breathing difficulty persists.
First-aid Measures After Skin	Remove contaminated clothing. Drench affected area with
Contact	water for at least 15 minutes. Obtain medical attention if irritation develops or persists.
First-aid Measures After Eye	Rinse cautiously with water for at least 15 minutes. Remove
Contact	contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
First-aid Measures After	Rinse mouth. Do NOT induce vomiting. Obtain medical
Ingestion	attention.
4.2. Most Important Symptoms	and Effects Both Acute and Delayed
Symptoms/Injuries	Suspected of damaging fertility or the unborn child.
Symptoms/Injuries After Inhalation	Prolonged exposure may cause irritation.
Symptoms/Injuries After Skin Contact	Prolonged exposure may cause skin irritation.

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Symptoms/Injuries After Eye Contact	Prolonged exposure may cause irritation.	
Symptoms/Injuries After	Ingestion may cause adverse effects.	
Ingestion Chronic Symptoms	Suspected of damaging fertility or the unborn child.	
4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed		

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing Media

Protection During Firefighting

Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide.Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water
may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard	Not considered flammable but may burn at high temperatures.
Explosion Hazard	Product is not explosive.
Reactivity	Hazardous reactions will not occur under normal conditions.
5.3. Advice for Firefighters	
Precautionary Measures Fire	Exercise caution when fighting any chemical fire.
Firefighting Instructions	Use water spray or fog for cooling exposed containers.

including respiratory protection.

Do not enter fire area without proper protective equipment,

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment And Emergency Procedures

•	ective Equipment And Emergency hocedores
General Measures	Do not get in eyes, on skin, or on clothing. Do not breathe
	vapor, mist or spray.
6.1.1. For Non-Emergency Personn	el
Protective Equipment	Use appropriate personal protective equipment (PPE).
Emergency Procedures	Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective Equipment	Equip cleanup crew with proper protection.
Emergency Procedures	Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.
6.2. Environmental Precautions	
Prevent entry to sewers and public	waters.
6.3. Methods and Materials for	Containment and Cleaning Up

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For Containment	Contain any spills with dikes or absorbents to prevent migration
	and entry into sewers or streams.
Methods for Cleaning Up	Clean up spills immediately and dispose of waste safely.
	Transfer spilled material to a suitable container for disposal.
	Contact competent authorities after a spill.
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6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling And Storage

7.1. Precautions for Safe Handling

Precautions for Safe Handling Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do NOT breathe (vapor, mist, spray). Hygiene Measures Handle in accordance with good industrial hygiene and safety procedures. 7.2. Conditions for Safe Storage, Including Any Incompatibilities **Technical Measures** Comply with applicable regulations. Storage Conditions Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or

Incompatible Materials

7.3. Specific End Use(s)

For professional use only.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), or OSHA (PEL).

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica (68909-20-6)		
USA OSHA	OSHA PEL (TWA) (mg/m³)	6 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	20 mppcf (80 mg/m³/%SiO2)

8.2. Exposure Controls

Appropriate Engineering Controls

Personal Protective Equipment

available in the immediate vicinity of any potential exposure.
Ensure adequate ventilation, especially in confined areas.
Ensure all national/local regulations are observed.
Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.

Emergency eye wash fountains and safety showers should be

low temperatures and incompatible materials. Strong acids, strong bases, strong oxidizers.



Materials For Protective Clothing Hand Protection Eye And Face Protection Skin And Body Protection Chemically resistant materials and fabrics.

Wear protective gloves. Chemical safety goggles. Wear suitable protective clothing. Safety Data Sheet

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Respiratory Protection	If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
Other Information	When using, do not eat, drink or smoke.

SECTION 9: Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Physical State	Liquid
Appearance	Colorless
Odor	Odorless
Odor Threshold	No data available
рН	No data available
Evaporation Rate	No data available
Melting Point	No data available
Freezing Point	No data available
Boiling Point	No data available
Flash Point	> 135 °C (275 °F)
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Flammability (solid, gas)	Not applicable
Vapor Pressure	No data available
Relative Vapor Density at 20 °C	No data available
Relative Density	>]
Solubility	No data available
Partition Coefficient n-Octanol/W	Vater No data available
Viscosity	No data available
9.2. Other Information	
VOC content	<1%

SECTION 10: Stability and Reactivity

10.1. Reactivity

Contact with water, alcohols, acids or bases, and many metals or metallic compounds can liberate flammable Hydrogen gas which can form explosive mixtures in air.

10.2. Chemical Stability

Stable at normal conditions.

10.3. Possibility of Hazardous Reactions

Evolved hydrogen gas is flammable and may form explosive mixtures with air.

10.4. Conditions to Avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible Materials

Water, alcohols, acids, bases, strong oxidizing agents, catalytic metals, metallic compounds.

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10.6. Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Flammable hydrogen gas. Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

SECTION 11: Toxicological Information

11.1. Information on Toxicological Effects

A auta Taviaitu	
Acute Toxicity	: Not classified
Octamethylcyclotetrasiloxane (
LD50 Oral Rat	> 4800 mg/kg (No mortality)
LD50 Dermal Rat	> 2375 mg/kg
LD50 Dermal Rabbit	> 2.5 ml/kg (No mortality)
LC50 Inhalation Rat	36 mg/l/4h
3-Butyn-2-ol, 2-methyl- (115-19-	5)
LD50 oral rat	1420 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	21.3 mg/l/4h
LC50 inhalation rat (mg/l)	> 21.3 mg/l/4h
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	: Suspected of damaging fertility or the unborn child.
Specific Target Organ Toxicity (Si Exposure)	ngle : Not classified
Specific Target Organ Toxicity (R Exposure)	epeated : Not classified
Aspiration Hazard	Not classified
Symptoms/Injuries After Inhalation	Prolonged exposure may cause irritation.
Symptoms/Injuries After Skin Contact	Prolonged exposure may cause skin irritation.
Symptoms/Injuries After Eye Contact	Prolonged exposure may cause irritation.
Symptoms/Injuries After Ingestion	Ingestion may cause adverse effects.
Chronic Symptoms	Suspected of damaging fertility or the unborn child.

SECTION 12: Ecological Information

12.1. Toxicity

Ecology - General	Harmful to aquatic life with long lasting effects.	
Octamethylcyclotetrasiloxane	e (556-67-2)	
LC50 Fish	> 22 µg/l	
NOEC Chronic Fish	0.0044 mg/l	

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3-Butyn-2-ol, 2-methyl- (115-19-5)	
LC50 fish 1	3120 (3120 - 3480) mg/l (Exposure time: 96 h - Species:
	Pimephales promelas [flow-through])
EC50 Daphnia 1	500 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 other aquatic organisms 1	500 mg/l (Exposure time: 72 h - Species: Desmodesmus
	subspicatus)
LC50 fish 2	2200 (2200 - 4600) mg/l (Exposure time: 96 h - Species:
	Leuciscus idus [static])
EC50 other aquatic organisms 2	500 mg/l (Exposure time: 96 h - Species: Desmodesmus
	subspicatus)

12.2. Persistence and Degradability

MED-4980 Part B

Persistence and Degradability May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

MED-4980 Part B		
Bioaccumulative Potential	Not established.	
Octamethylcyclotetrasiloxane	Octamethylcyclotetrasiloxane (556-67-2)	
BCF Fish 1	(12400 dimensionless)	
Partition coefficient n-	6.488 (at 25.1 °C)	
octanol/water (Log Pow)		
3-Butyn-2-ol, 2-methyl- (115-19-5)		
Log Pow	0.318 (at 25 °C)	

12.4. Mobility In Soil

No additional information available

12.5. Other Adverse Effects

Other Information

Avoid release to the environment.

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Waste Disposal	Dispose of contents/container in accordance with local,
Recommendations	regional, national, and international regulations.
Additional Information	Container may remain hazardous when empty. Continue to
	observe all precautions.
Ecology - Waste Materials	Avoid release to the environment.

SECTION 14: Transport Information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

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- **14.1.** In Accordance with DOT Not regulated for transport
- 14.2. In Accordance with IMDG Not regulated for transport
- **14.3.** In Accordance with IATA Not regulated for transport

SECTION 15: Regulatory Information

15.1. US Federal Regulations

All components in this mixture are listed on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, have been exempted, are not listed, not disclosed due to CBI requirements or disclosure rules according to the relevant regulation.

MED-4980 Part B		
SARA Section 311/312 Hazard	Health hazard - Reproductive toxicity	
Classes		
15.2. US State Regulations		
Silanamine, 1,1,1-trimethyl-N-(tri	methylsilyl)-, hydrolysis products with silica (68909-20-6)	
U.S Texas - Effects Screening Le		
U.S Texas - Effects Screening Le	evels - Short Term	
Octamethylcyclotetrasiloxane (5	556-67-2)	
U.S Texas - Effects Screening Le	vels - Long Term	
U.S Texas - Effects Screening Levels - Short Term		
U.S Maine - Chemicals of Concern		
U.S Oregon - Priority Persistent Pollutant - Tier I - Persistent Pollutants		
U.S Minnesota - Chemicals of High Concern		
U.S Minnesota - Chemicals of High Concern - Persistent Bioaccumulative Toxins		
U.S California - Safer Consumer	Products - Initial List of Candidate Chemicals and Chemical	
Groups		
3-Butyn-2-ol, 2-methyl- (115-19-	5)	
RTK - U.S Massachusetts - Right	To Know List	
RTK - U.S New Jersey - Right to H	Know Hazardous Substance List	
U.S New Jersey - Special Health	U.S New Jersey - Special Health Hazards Substances List	
RTK - U.S Pennsylvania - RTK (Rig	ght to Know) List	

SECTION 16: Other Information, Including Date of Preparation or Last Revision

Date of Preparation or Latest Revision	11/02/2023
Other Information	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29

CFR 1910.1200.

GHS Full Text Phrases:

Hazardous to the aquatic environment - Chronic Hazard Category 1
Hazardous to the aquatic environment - Chronic Hazard Category 3
Acute toxicity (oral) Category 4
Serious eye damage/eye irritation Category 1
Flammable liquids Category 2
Flammable liquids Category 3
Reproductive toxicity Category 2
Specific target organ toxicity (single exposure) Category 3

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	H225	Highly flammable liquid and vapor
	H226	Flammable liquid and vapor
	H302	Harmful if swallowed
	H318	Causes serious eye damage
	H336	May cause drowsiness or dizziness
	H361	Suspected of damaging fertility or the unborn child
	H410	Very toxic to aquatic life with long lasting effects
	H412	Harmful to aquatic life with long lasting effects
NFPA	A Health Hazard	1 - Materials that, under emergency
NFPA	A Fire Hazard	conditions, can cause significant irritation. 1 - Materials that must be preheated before ignition can occur.
NFP <i>A</i>	A Reactivity Hazard	0 - Material that in themselves are normally stable, even under fire conditions.
HMIS	III Rating	
Heal	th	 Slight Hazard - Irritation or minor reversible injury possible Chronic - Chronic (long-term) health effects may result from repeated overexposure
Flam Physi	mability cal	1 Slight Hazard 0 Minimal Hazard

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