



Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision Date: 08/23/2023 Date of Issue: 02/21/2014

Version: 5.0

SECTION 1: Identification

1.1. Product identifier

Product Form : Mixture
Product Name : R-2188 Part A
Synonyms : 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

Emergency: 800-424-9300 CHEMTREC (in US); +1 703-527-3887 CHEMTREC (International

number and Maritime)

SECTION 2: Hazards identification

2.1. Classification of the Substance or Mixture

GHS-US Classification

Repr. 1B H360 Aquatic Chronic 3 H412

Full text of hazard classes and H-statements: see section 16

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



GHS08

Signal Word (GHS-US) Danger

Hazard Statements (GHS-US) H360 - May damage fertility or the unborn child

H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements (GHS-

US)

ments (GHS-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.

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 to the Classification conditions.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Silanamine, 1,1,1-trimethyl-N-	(CAS No) 68909-20-6	10 - 30	Not classified
(trimethylsilyl)-, hydrolysis			
products with silica			
Methyl vinylcyclosiloxane	(CAS-No.) 2554-06-5	< 1	Repr. 1B, H360
Octamethylcyclotetrasiloxane	(CAS-No.) 556-67-2	< 0.25	Flam. Liq. 3, H226
			Repr. 2, H361
			Aquatic Chronic 1, H410

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

ingestion

: Rinse mouth. Do NOT induce vomiting. Obtain medical

attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : May damage 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 : May damage 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, alcohol-resistant foam, carbon

dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream. Use of heavy stream of water

may spread fire. Application of water stream to hot product

may cause frothing and increase fire intensity.

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. Under fire

conditions, hazardous fumes will be present.

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

General measures : Avoid prolonged contact with eyes, skin and clothing. Avoid

breathing (vapor, mist, spray).

6.1.1. For non-emergency personnel

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 material for containment and cleaning up

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.

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. Avoid prolonged contact with eyes, skin and clothing.

Avoid breathing vapors, 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

low temperatures and incompatible materials.

Incompatible products : 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/m³
USA OSHA	OSHA PEL (TWA) (ppm)	20 mppcf (80 mg/m³/%SiO ₂)

8.2. Exposure controls

Appropriate engineering

controls

: 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.

Personal protective equipment

: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



Materials for protective clothing: Chemically resistant materials and fabrics.

Hand protection : Wear protective gloves.

Eye protection : Chemical safety goggles.

Skin and body protection : Wear suitable protective clothing.

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.

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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 На : No data available : No data available **Evaporation Rate** Melting point : No data available Freezing point : No data available Boiling point : No data available Flash point $: > 135 \,^{\circ}\text{C} (> 275 \,^{\circ}\text{F})$ **Auto-ignition Temperature** : No data available Decomposition temperature : No data available Flammability (solid, gas) : No data available Vapor pressure : No data available Relative vapor density at 20 °C : No data available

Specific gravity : 1.12

Solubility : No data available
Partition coefficient: n-octanol/water : No data available
Viscosity : No data available

9.2. 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

Silicon oxides. Carbon oxides (CO, CO₂). 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 toxicological effects

Acute toxicity : Not classified

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Methyl vinylcyclosiloxane (2554-06-5)

LD50 Oral Rat	> 4800 mg/kg (Read accross, no deaths)	
LD50 Dermal Rabbit	> 2000 mg/kg (no deaths)	
LC50 Inhalation Rat	> 1.32 mg/l/4h	
Octamethylcyclotetrasiloxane (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 : May damage fertility or the unborn child.

STOT-single exposure : Not classified STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after : Prolonged exposure may cause irritation.

inhalation

Symptoms/injuries after skin : Prolonged exposure may cause skin irritation.

contact

Symptoms/injuries after eye : May cause slight irritation to eyes.

contact

Symptoms/injuries after : Ingestion may cause adverse effects.

ingestion

Chronic symptoms : May damage fertility or the unborn child.

SECTION 12: Ecological information

12.1. Toxicity

Ecology – general : Harmful to aquatic life with long lasting effects.

Octamethylcyclotetrasiloxane (556-67-2)		
LC50 Fish	> 22 µg/l	•
NOEC Chronic Fish	0.0044 mg/l	

12.2. Persistence and degradability

R-2188 Part A	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

	· · · · · · · · · · · · · · · · · · ·
R-2188 Part A	
Bioaccumulative potential	Not established.
Methyl vinylcyclosiloxane (25	54-06-5)
Partition coefficient n-	6,47
octanol/water (Log POW)	
Octamethylcyclotetrasiloxan	e (556-67-2)
BCF Fish 1	(12400 dimensionless)
Partition coefficient n-	6.488 (at 25.1 °C)
octanol/water (Log Pow)	

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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

Product/Packaging disposal : Dispose of contents/container in accordance with local,

recommendations regional, national, and international regulations.

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.

R-2188 Part A	
SARA Section 311/312 Hazard	Health hazard - Reproductive toxicity
Classes	

15.2. US State regulations

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica (68909-20-6)

U.S. - Texas - Effects Screening Levels - Long Term

U.S. - Texas - Effects Screening Levels - Short Term

Octamethylcyclotetrasiloxane (556-67-2)

U.S. - Texas - Effects Screening Levels - 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

SECTION 16: Other information, including date of preparation or last revision

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Other information : This document has been prepared in accordance with the SDS

requirements of the OSHA Hazard Communication Standard 29

CFR 1910.1200.

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.

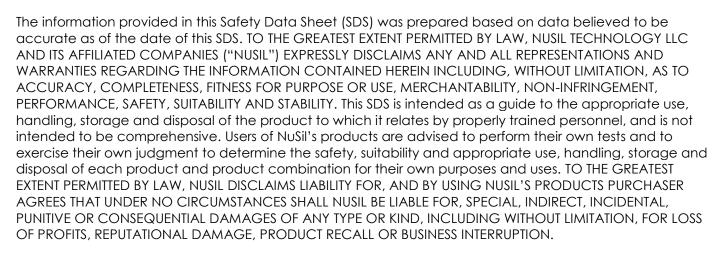
HMIS III Rating

Health 1 Slight Hazard - Irritation or minor reversible injury possible

* Chronic - Chronic (long-term) health effects may result from

repeated overexposure

Flammability 1 Slight Hazard
Physical 0 Minimal Hazard



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SECTION 1: Identification

Product identifier 1.1.

Product Form : Mixture Product Name : R-2188 Part B Synonyms : Silicone Elastomer

1.2. Relevant identified uses of the substance or mixture and uses advised against

: For professional use only. Use of the substance/mixture

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@avantorsciencesacc.com

www.nusil.com

Emergency telephone number

: 800-424-9300 CHEMTREC (in US); +1 703-527-3887 CHEMTREC (International Emergency

and Maritime) number

SECTION 2: Hazards identification

Classification of the substance or mixture 2.1. **GHS-US** classification

Skin Irrit. 2 H315 Eye Irrit. 2A H319 Repr. 2 H361

Aquatic Chronic 3 H412

Full text of hazard classes and H-statements: see section 16

Label elements 2.2.

GHS-US labeling

Hazard pictograms (GHS-US)





Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H315 - Causes skin irritation

H319 - Causes serious eye irritation

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

Precautionary statements (GHS-: P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been US)

read and understood.

P264 - Wash hands, forearms, and exposed areas thoroughly

after handling.

P273 - Avoid release to the environment.

P280 - Wear eye protection, face protection, protective

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clothing, protective gloves.

P302+P352 - If on skin: Wash with plenty of water.

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 - Specific treatment (see Section 4 on this SDS).

P332+P313 - If skin irritation occurs: Get medical

advice/attention.

P337+P313 - If eye irritation persists: Get medical

advice/attention.

P362+P364 - Take off contaminated clothing and wash it before

reuse.

2.3. Other hazards

Other hazards not contributing to the classification

: 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-	(CAS No) 68909-20-6	10 - 30	Not classified
(trimethylsilyl)-, hydrolysis products with			
silica			
Siloxanes and Silicones, dimethyl,	(CAS No) 68037-59-2	< 20	Skin Irrit. 2, H315
methyl hydrogen			Eye Irrit. 2A, H319
			STOT SE 3, H335
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.

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: Rinse mouth. Do NOT induce vomiting. Obtain medical First-aid measures after

inaestion attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries : Causes skin irritation. Causes serious eye irritation. Suspected of

damaging fertility or the unborn child.

Symptoms/Injuries After : Prolonged exposure may cause irritation.

Inhalation

Symptoms/Injuries After Skin : Redness, pain, swelling, itching, burning, dryness, and

Contact dermatitis.

Symptoms/Injuries After Eye : Contact causes severe irritation with redness and swelling of the

Contact coniunctiva.

Symptoms/Injuries After : Ingestion may cause adverse effects.

Ingestion

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.

Special hazards arising from the substance or mixture 5.2.

Fire hazard : Not considered flammable but may burn at high temperatures.

Explosion hazard : Product is not explosive.

: Hazardous reactions will not occur under normal conditions. Reactivity

Advice for firefighters 5.3.

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

Personal precautions, protective equipment and emergency procedures 6.1.

General measures : Avoid breathing (vapor, mist, spray). Avoid all contact with skin,

eyes, or clothing.

6.1.1. For non-emergency personnel

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.

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6.3. Methods and material for containment and cleaning up

: Contain any spills with dikes or absorbents to prevent migration For containment

and entry into sewers or streams.

: Clean up spills immediately and dispose of waste safely. Methods for cleaning up

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.

SECTION 7: Handling and storage

Precautions for safe handling 7.1.

Precautions for safe handling : Wash hands and other exposed areas with mild soap and

> water before eating, drinking or smoking and when leaving work. Avoid breathing vapors, mist, spray. Avoid contact with

skin, eyes and clothing.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

procedures.

Conditions for safe storage, including any incompatibilities 7.2.

Technical measures : Comply with applicable regulations.

: Keep container closed when not in use. Store in a dry, cool Storage conditions

place. Keep/Store away from direct sunlight, extremely high or

low temperatures and incompatible materials.

: Strong acids, strong bases, strong oxidizers. Incompatible materials

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/m³
USA OSHA	OSHA PEL (TWA) (ppm)	20 mppcf (80 mg/m³/%SiO ₂)

8.2. **Exposure controls**

controls

Appropriate engineering : 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 Personal protective equipment

ventilation: wear respiratory protection.



Materials for protective clothing: Chemically resistant materials and fabrics.

Hand protection : Wear protective gloves. Eye protection : Chemical safety goggles.

Skin and body protection Wear suitable protective clothing.

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: If exposure limits are exceeded or irritation is experienced, Respiratory protection

> 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

Information on basic physical and chemical properties 9.1.

Physical state : Liquid **Appearance** : Colorless Odor : Odorless

: No data available Odor threshold : No data available На **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 : No data available Specific Gravity :>1 (water=1)

: No data available Solubility Partition coefficient: n-octanol/water : 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 under recommended handling and storage conditions (see section 7).

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.

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.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

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 : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified

Reproductive toxicity : Suspected of damaging fertility or the unborn

child.

: Not classified

Specific target organ toxicity – single

exposure

Specific target organ toxicity – repeated : Not classified

exposure

Aspiration hazard : Not classified

Symptoms/effects after

inhalation

: Prolonged exposure may cause irritation.

Symptoms/effects after skin

contact

: Redness, pain, swelling, itching, burning, dryness, and

dermatitis.

Symptoms/effects after eye

contact

: Contact causes severe irritation with redness and swelling of

the conjunctiva.

Symptoms/effects after

ingestion

: Ingestion may cause adverse effects.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Octamethylcyclotetrasiloxane (556-67-2)	
LC50 Fish	> 22 µg/l
NOEC Chronic Fish	0.0044 mg/l

12.2. Persistence and degradability

R-2188 Part B	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

R-2188 Part B		
Bioaccumulative potential	Not established.	
Octamethylcyclotetrasiloxane (556-67-2)		
BCF Fish 1	(12400 dimensionless)	
Partition coefficient n- octanol/water (Log Pow)	6.488 (at 25.1 °C)	

12.4. Mobility in soil

No additional information available

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12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal

: Dispose of contents/container in accordance with local,

regional, national, and international regulations.

Additional information

recommendations

: 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 not disclosed due to CBI requirements or disclosure rules according to the relevant regulation.

R-2188 Part B	
SARA Section 311/312 Hazard	Health hazard - Reproductive toxicity
Classes	Immediate (acute) health hazard

15.2. US State regulations

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica (68909-20-6)

U.S. - Texas - Effects Screening Levels - Long Term

U.S. - Texas - Effects Screening Levels - Short Term

Octamethylcyclotetrasiloxane (556-67-2)

U.S. - Texas - Effects Screening Levels - 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

SECTION 16: Other information, including date of preparation or last revision

Date of Preparation or Latest : 08/23/2023

Revision

08/23/2023 EN (English US) 7/8

Other information

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Full text of H-phrases:

Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Flam. Liq. 3	Flammable liquids Category 3
Repr. 2	Reproductive toxicity Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapor
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
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 Health Hazard : 2 - Materials that, under emergency

conditions, can cause temporary incapacitation or residual injury.

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

Health 2 Moderate Hazard

* Chronic - Chronic (long-term) health effects may result from

repeated overexposure

Flammability 1 Slight Hazard
Physical 0 Minimal Hazard

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