



Factor II, Incorporated

The Art, Science and Technology of
Silicones and Prosthetics...

10/17/2018

Safety Data Sheet

A-2186 Parts A & B

Date of Issue:

Revision Date: 03/17/2025

Factor II Inc. encourages the end user to read this document entirely and understand all sections of this SDS sheet prior to use. There is important information regarding this product. The end user is expected to follow all precautions outlined in this SDS.

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name : Silicone Elastomer

Product Code : A-2186 Part A

Intended Use(s): For professional use only

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

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EMERGENCY TELEPHONE NUMBERS

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SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the Substance or Mixture

GHS-US Classification

Repr. 2 H361

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)



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

Precautionary Statements (GHS-US)

GHS08
Warning
H361 – Suspected of damaging fertility or the unborn child
H412 – Harmful to aquatic life with long lasting effects
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.

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-(trimethylsilyl)-, hydrolysis products with silica	(CAS-No.) 68909-20-6	20-30	Not classified
Octamethylcyclotetrasiloxane	(CAS-No.) 556-67-2	<0.25	Flam. Liq. 3, H226



			Repr. 2, H361 Aquatic Chronic 1, H410
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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

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.

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.



Explosive Hazard
Reactivity

Product is not explosive.
Hazardous reactions will not occur under normal conditions.

5.3 Advice for Firefighters

Precautionary Measures Fire
Firefighting Instructions

Exercise caution when fighting any chemical fire.
Use water spray or fog for cooling exposed containers.

Protection During Firefighting

Do not enter the 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

Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or 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 Materials 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.



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.

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/m ³)	6 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	20mppcf (80 mg/m ³ /%SiO ₂)

Octamethylcyclotetrasiloxane (556-67-2)

USA AIHA	WEEL TWA	10 ppm
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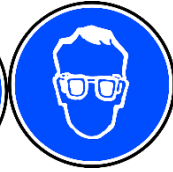
8.2 Exposure Controls

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.

Personal Protective Equipment

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

Chemically resistant materials and fabrics.
Wear protective gloves.
Chemical safety goggles.
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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State	Liquid
Apperance	Colorless
Odor	Odorless
Odor Threshold	No data available
pH	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	>1
Solubility	No data available
Partition Coefficient n-Octanol/Water	No data available
Viscosity	No data available

9.2 Other Information

No additional informaiton available

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 Toxicological Effects

Acute Toxicity Not classified

Octamethylcyclotetrasiloxane (556-67-2)

LD50 Oral Rat	>4800 mg/kg (No mortality)
LD50 Dermal Rat	>2375mg/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 (Single Exposure)	Not classified
Specific Target Organ Toxicity (Repeated Exposure)	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

Ecology – General Harmful to aquatic life with long lasting effects.

Octamethylcyclotetrasiloxane (556-67-2)

LC50 Fish	>22µg/l
NOEC Chronic Fish	0.0044 mg/l



12.2 Persistence and Degradability

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Persistence and Degradability	May cause long-term adverse effects in the environment
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12.3 Bioaccumulative Potential

A-2186Part A

Bioaccumulative Potential	Not established.
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Octamethylcyclotetrasiloxane (556-67-2)

BCF Fish 1	12400
Partition coefficient n-octanol/water (Log Pow)	6.488 (at 25.1 °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 Recommendations

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

Additional Information

Container may remain hazardous when empty. Continue to observe all precautions.

Ecology – Waste Materials

This material is hazardous to the aquatic environment. Keep out of sewers and waterways. 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



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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.

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SARA Section 311/312 Hazard Classes	Health hazard – Reproductive toxicity
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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 1 – 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

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
H226	Flammable liquid and vapor
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	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
Health	*Chronic – Chronic (long-term) health effects may result from repeated overexposure
Flammability	1 Slight Hazard
Physical	0 Minimal Hazard



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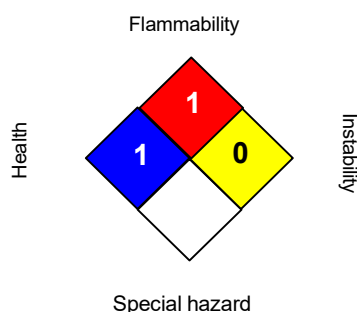
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Full text of other abbreviations

AICS – Australian Inventory of Chemical Substances; ASTM – American Society for the Testing of Materials; bw – Body Weight; CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act; CMR – Carcinogen, Mutagen or Reproductive Toxicant; DIN – Standard of the German Institute for Standardization; DOT – Department of Transportation; DSL – Domestic Substances List (Canada); ECx – Concentration associated with x% response; EHS – Extremely Hazardous Substance; ELx – Loading rate associated with x% response; EmS – Emergency Schedule; ENCS – Existing and New Chemical Substances (Japan); - ErCx – Concentration associated with x% growth rate response; ERG – Emergency Response Guide; GHS – Globally Harmonized System; GLP – Good Laboratory Practice; HMIS – Hazardous Materials Identification System; IARC – International Agency for Research on Cancer; IATA – International Air Transport Association; IBC – International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 – Half maximal inhibitory concentration; ICAO – International Civil Aviation Organization; IECSC – Inventory of Existing Chemical Substances in China; IMDG – International Maritime Dangerous Goods; IMO – International Maritime Organization; ISHL – Industrial Safety and Health Law (Japan); ISO – International Organization for Standardization; KECI – Korea Existing Chemicals Inventory; LC50 – Lethal Concentration to 50% of a test population; LD50 – Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL – International Convention for the Prevention of Pollution from Ships; MSHA – Mine Safety and Health Administration; n.o.s. – Not Otherwise Specified; NFPA – National Fire Protection Associations; NO(A)EC – No Observed (Adverse) Effect Concentration; NO(A)EL – No Observed (Adverse) Effect Level; NOELR – No Observable Effect Loading Rate; NTP – National Toxicology Program; NZIoC – New Zealand Inventory of Chemicals; OECD – Organization for Economic Co-operation and Development; OPPTS – Office of Chemical Safety and Pollution Prevention; PBT – Persistent, Bioaccumulative and Toxic substance; PICCS – Philippines Inventory of Chemicals and Chemical Substances; (Q) SAR – (Quantitative) Structure Activity Relationship; RCRA – Resource Conservation and Recovery Act; REACH – Regulation (EC) No 1907/2006 of the European Parliament and of the Council Concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; RQ – Reportable Quantity; SADT – Self-Accelerating Decomposition Temperature; SARA – Superfund Amendments and Reauthorization Act; SDS –



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Safety Data Sheet; TCSI – Taiwan Chemical Substance Inventory; TSCA – Toxic Substance Control Act (United States); UN – United Nations; UNRTDG – United Nations Recommendations on the Transport of Dangerous Goods; vPvB – Very Persistent and Very Bioaccumulative.

Factor II, Inc. Disclaimer & Statement of Liability

This is to certify that the above designated material has been tested and did comply with the listed specifications (with listed exceptions) when supplied in original container. The material is subject to the conditions listed on the invoice. The above is a copy of information on file. The lot acceptance data are available for examination. This is a computer-generated document that is valid without a signature. The information above is supplied in good faith and, to the best of our knowledge, is based on available sources believed to be reliable and accurate. This document and any information provided herein are for your guidance only. The use by the requestor is beyond Factor II control; therefore, the responsibility for appropriate and safe use of the above information lies with the End user. Factor II shall not be responsible for any misuse and/or misapplication of the information in this document.

Factor II, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology and/or fire prevention as necessary or appropriate to the use and understanding of the data contained in this SDS. To promote safe handling each customer or recipient should 1) notify and furnish its employees, agents, contractors, customers and/or others whom it knows or believes will use this material of the information regarding hazards or safety, and 2) request its customers to notify their employees, customers, and other users of the product of this information.

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name : Silicone Elastomer

Product Code : A-2186 Part B

Intended Use(s) : For professional use only.

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

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EMERGENCY TELEPHONE NUMBERS



928- 368-7502

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture

GHS-US classification

Skin Irrit. 2	H315
Eye Irrit. 2A	H319
STOT SE 3	H335
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)



Signal word (GHS-US)

Danger

Hazard statements (GHS-US)

H315 – Causes skin irritation
H319 – Causes serious eye irritation
H335 – May cause respiratory irritation
H360 – May damage fertility or the unborn child
H412 – Harmful to aquatic life with long lasting effects

Precautionary statements (GHS-US)

P201 – Obatin special instructions before use.
P202 – Do not handle until all safety precautions have been read and understood.
P261 – Avoid breathing vapors, mist, or spray.
P264 – Wash hands, forearms, and other exposed areas thoroughly after handling.
P271 – Use only outdoors or in a well-ventilated area.
P273 – Avoid release to the environment.
P280 – Wear protective gloves, protective clothing, and eye protection.
P302+P352 – If on skin: Wash with plenty of water.
P304+P340 – If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.



P305+P351+P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312 – Call a poison center or doctor if you feel unwell.
 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.
 P403+P233 – Store in a well-ventilated place. Keep container tightly closed.
 P405 – Store locked up.
 P501 – Dispose of contents/container in accordance with local, regional, national and international regulations.

2.3 Other hazards

Other hazards not contributing to the classification of hazards

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
Siloxanes and Silicones	(CAS No) 68037-59-2	<30	Skin Irrit. 2, H315 Eye Irrit. 2A H319 STOT SE 3, H335
Silanamine, 1,1 – trimethyl-N-(trimethylsilyl) – hydrolysis products with silica	(CAS No) 68909-20-6	20-30	Not classified
Methyl vinylcyclosiloxane	(CAS-No) 2554-06-5	<5	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. Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.
Symptoms/Injuries Inhalation	Irritation of the respiratory tract and the other mucous membranes.
Symptoms/injuries After Skin Contact	Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Symptoms/Injuries After Eye Contact	Redness, pain, swelling, itching, burning, tearing, and blurred vision.
Symptoms/Injuries After Ingestion	May damage 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

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 hazards	Not considered flammable but may burn at high temperatures.
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Explosion hazard

Reactivity

5.3 Advice for firefighters

Precautionary measures fire

Firefighting instructions

Protection during firefighting

Product is not explosive.

Hazardous reactions will not occur under normal conditions.

Exercise caution when fighting any chemical fire.

Use water spray or fog for cooling exposed containers.

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 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).

Evacuate unnecessary personnel.

Emergency procedures

6.1.1 For non-emergency responders

Protective equipment

Equip cleanup crew with proper protection. 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.

Emergency procedures

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.



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 breathing vapors, mist, spray. Avoid contact with skin, eyes and clothing.

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 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 manufacture, 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/m ³)	6 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	20 mppcf (80 mg/m ³ /%SiO ₂)

Octamethylcyclotetrasiloxane (556-67-2)

USA AIHA	WEEI TWA	10 ppm
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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.



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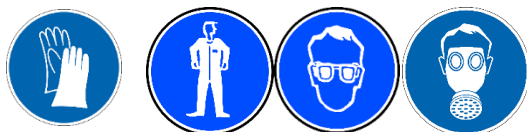
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Materials for protective clothing
Hand protection
Eye protection
Skin and body protection
Respiratory protection

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.
When using, do not eat, drink or smoke.

Other information

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical chemical properties

Physical State	liquid
Appearance	Colorless
Odor	Odorless
Odor Threshold	No data available
pH	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	No data available
Specific Gravity	>1(water=1)
Solubility	No data available
Partition coefficient : n-octanol/water	No data available
Viscosity	No data available

9.2 Other information :<1%
VOC content



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 section7).

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.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity Not classified

Methyl cinylcyclosiloxane (2554-06-5)

LD50 Oral Rat	>4800 mg/kg (Read across, no deaths)
LD50 Dermal Rabbit	>2000 mg/kg (no deaths)
LC50 Inhalation Rat	>1.32 mg/l/4h

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
Gern cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	May damage fertility or the unborn child.
Specific target organ toxicity – single Exposure	May cause respiratory irritation.
Specific target organ toxicity – repeated Exposure	Not classified
Aspiration hazard	Not classified



Symptoms/effects after inhalation	Irritation of the respiratory tract and the other mucous membranes.
Symptoms/effects after skin contact	Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Symptoms/effects after eye contact	Redness, pain, swelling, itching, burning, tearing and blurred vision.
Symptoms/effects after ingestion	Ingestion may cause adverse effects
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	>22µ/l
NOEC Chronic Fish	0.0044 mg/l

12.2 Persistence and degradability

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Persistence and degradability	May cause long-term adverse effects in the environment.
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12.3 Bioaccumulative potential

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Bioaccumulative potential	Not established.
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Methyl vinylcyclosiloxane (2554-06-5)

Partition coefficient n-octanol/water (Log POW)	6,47
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Octamethylcyclotetrasiloxane (556-67-2)

BCF Fish 1	12400
Partition coefficient n-octanol/water (Log Pow)	6.488 (at 25.1 °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

Product/Packaging disposal



Recommendations	Dispose of contents/container in accordance with local, 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.

A-2186 Part B

SARA Section 311/312 Hazard Classes	Health hazard – Reproductive toxicity Immediate (acute) health hazard
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15.2 US State regulations

Silanamine, 1, 1,1-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 1 – 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

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. 1B	Reproductive toxicity, Category 1B
Repr. 2	Reproductive toxicity Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2A	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapor
H315	Causes skin irritaiton
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H360	May damage fertility or the unborn child
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 Hazards

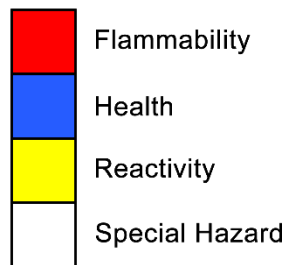
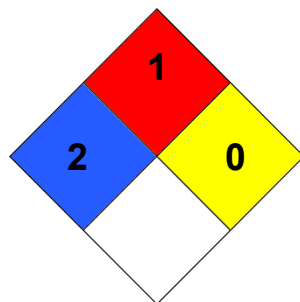
2 – Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA Fire Hazard

1 – Materials that must be preheated before ignition can occur.

NFPA Reactivity Hazard

0 – Materials 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



Factor II, Incorporated

The Art, Science and Technology of
Silicones and Prosthetics...

10/17/2018

Safety Data Sheet

A-2186 Parts A & B

Date of Issue:

Revision Date: 03/17/2025

Flammability
Physical

1 Slight Hazard
0 Minimal Hazard

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