



## Factor II, Incorporated

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

## Safety Data Sheet

Product Code: A-588 A & B

Revision Date: 07/09/2021

### SECTION 1: IDENTIFICATION

#### PRODUCT IDENTIFIER

Product Name      Silicone Elastomer

Product Code      A-588 A

Intended Use(s) :    For professional use only

#### CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

Factor II, Incorporated  
5642 White Mountain Ave  
PO Box 1339  
Lakeside AZ 85929  
928-537-8387  
[www.factor2.com](http://www.factor2.com)  
[sales@factor2.com](mailto:sales@factor2.com)

#### EMERGENCY TELEPHONE NUMBERS

928- 368-7502

### SECTION 2: HAZARD IDENTIFICATION

#### **Classification of the Substance or Mixture**

**GHS-US Classification**

Repr. 2 H361

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

#### **Label Elements**

##### **GHS-US Labeling**

Hazard Pictograms    (GHS-US)



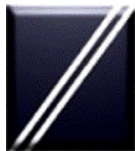
GHS08

**Signal Word (G HS-US)**

Warning

#### **Hazard Statements (GHS -US)**

H361 - Suspected of damaging fertility or the unborn child



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### Precautionary Statements (GHS- US)

- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- 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.

### Other Hazards

#### Other Hazards Not Contributing to the Classification

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

### Unknown Acute Toxicity (GHS-US)

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Substances

Not applicable

### Mixture

Name	Product Identifier	%	GHS-US Classification
Silanamine, 1, 1, 1 -trimethyl-N - (trimethylsilyl) -, hydrolysis products with silica	(CAS-No.) 68909-20-6	10 - 30	Not classified
Octamethylcyclotetrasiloxane	(CAS-No.) 556-67-2	< 1	Flam. Liq. 3, H226 Repr. 2, H361 Aquatic Chronic 4, H413

Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### 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 lab el 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.



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### 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.

### Most Important Symptoms and Effects Both Acute and Delayed

<b>Symptoms/Injuries</b>	Suspected of damaging fertility or the unborn child.
<b>Symptoms/Injuries After Inhalation</b>	Prolonged exposure may cause irritation.
<b>Symptoms/Injuries After Skin Contact</b>	Prolonged exposure may cause skin irritation.
<b>Symptoms/Injuries After Eye Contact</b>	May cause slight irritation to eyes.
<b>Symptoms/Injuries After Ingestion</b>	May cause adverse effects.
<b>Chronic Symptoms</b>	Suspected of damaging fertility or the unborn child.

### 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

### 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

**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.

### Advice for Firefighters

**Precautionary Measures Fire** Exercise caution when fighting any chemical fire.

**Firefighting Instructions** Use water spray or fog for cooling exposed containers.



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### 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

#### General Measures

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

#### For Non-Emergency Personnel

##### Protective Equipment

Use appropriate personal protective equipment (PPE).

##### Emergency Procedures

Evacuate unnecessary personnel.

#### 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.

### Environmental Precautions

Prevent entry to sewers and public waters.

### 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.

### 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**

**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.

**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 sun light, extremely high or low temperatures and incompatible materials.

**Incompatible Materials** Strong acids, strong bases, strong oxidizers

**Specific End Use(s)** For professional use only.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**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)

<b>Silanamine, 1,1,1-trimeth 1-N- (trimethylsilyl)-, hydrolysis products with silica (68909-20-6)</b>		
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	20mppcf (80mg/m <sup>3</sup> /%SiO <sub>2</sub> )

**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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**Materials For Protective Clothing** Chemically resistant materials and fabrics

**Hand Protection** Wear protective gloves.

**Eye And Face 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.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (Based on typical material)

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	> 1
Solubility	No data available
Partition Coefficient n-Octanol/Water	No data available
Viscosity	No data available
Other Information	No additional information available



**SECTION 10: STABILITY AND REACTIVITY DATA**

<b>Reactivity</b>	Hazardous reactions will not occur under normal conditions.
<b>Chemical Stability</b>	Stable under recommended handling and storage conditions (see section 7).
<b>Possibility of Hazardous Reactions</b>	Hazardous polymerization will not occur.
<b>Conditions to Avoid</b>	Direct sunlight, extremely high or low temperatures, and incompatible materials.
<b>Incompatible Materials</b>	Strong acids, strong bases, strong oxidizers.
<b>Hazardous Decomposition Products</b>	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**

**Information on Toxicological Effects**

**Acute Toxicity** Not classified

<b>Octamethylcyclotetrasiloxane (556-67-2)</b>	
LD50 Oral Rat	1540 mg/kg
LD50 Dermal Rabbit	794 µ1/kg
LC50 Inhalation Rat	36 g /m <sup>3</sup> (Exposure time: 4 h)

**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

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<b>Aspiration Hazard</b>	Not classified
<b>Symptoms/Injuries After Inhalation</b>	Prolonged exposure may cause irritation.
<b>Symptoms/Injuries After Skin Contact</b>	Prolonged exposure may cause skin irritation.
<b>Symptoms/Injuries After Eye Contact</b>	May cause slight irritation to eyes
<b>Symptoms/Injuries After Ingestion</b>	Ingestion may cause adverse effects.
<b>Chronic Symptoms</b>	Suspected of damaging fertility or the unborn child.

**SECTION 12: ECOLOGICAL INFORMATION****Toxicity****Ecology - General** Not classified.

<b>Octamethylcyclotetrasiloxane (556-67-2)</b>	
LC50 Fish 1	>500 mg/l(Exposure time: 96 h – Species: Brachydanio rerio)
LC50 Fish 2	>1000 mg/l (Exposure time: 96 h -species: Lepomis macrochirus)

**Persistence and Degradability**

<b>A-588 A</b>	
Persistence and Degradability	Not established.

**Bioaccumulative Potential**

<b>A-588 A</b>	
Bioaccumulative Potential	Not established.
<b>Octamethylcyclotetrasiloxane (556-67-2)</b>	
BCF Fish 1	12400
Log Pow	5.1

**Mobility In Soil** No additional information available**Other Adverse Effects**  
**Other Information** Avoid release to the environment.**SECTION 13: DISPOSAL CONSIDERATIONS****Waste Treatment Methods****Waste Disposal Recommendations**

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





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### 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.

**In Accordance with DOT** Not regulated for transport

**In Accordance with IMDG** Not regulated for transport

**In Accordance with IATA** Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

### 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.

#### A-588 A

SARA Section 311/312 Hazard Classes

Health hazard - Reproductive toxicity

### US State Regulations

#### Silanamine, 1,1,1-trimeth 1-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

#### Octamethyleclotetrasiloxane 556-67-2

U.S. - Maine - Chemicals of High Concern

U.S. - Minnesota - Chemicals of High Concern

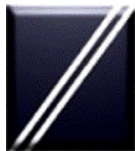
U.S. - Minnesota - Chemicals of High Concern - Persistent Bioaccumulative Toxins

U.S. - Oregon - Priority Persistent Pollutant - Tier I - Persistent Pollutants

U.S. - California - Safer Consumer Products - Initial List of Candidate Chemicals and Chemical Groups

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

U.S. - Texas - Effects Screen in Levels - Short Term



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### RoHs Directive (Restriction of the use of Certain Hazardous Substances)

To the best of our knowledge, the restricted substances prohibited in accordance with Directive 2011/65/EU and Directive 2015/863/EU are not normally expected to be present at or above the specified concentrations of 0.01% (by weight) for lead, mercury, hexavalent chromium, PBB, PBDE, (including decaBDE, PentaBDE, or OctaBDE), Phtalates (including DEHP, BBP, DBP and DIBP) and 0.01% (by weight) for cadmium.

### REACH – Substances of Very High Concern

Octamethylcyclotetrasiloxane (CAS 556-67-2)

The above listed substances may be present in silicone-based products as unavoidable impurities of the basic silicone polymer synthesis steps currently used in the industry.

### EU Medical Devices Regulation (MDR (EU) 2017/745)

Medical Silicone Adhesive is not made with, nor does it generate carcinogenic, mutagenic or toxic to reproduction ('CMR'), of category 1A or 1B, or substances having endocrine-disrupting properties as defined in paragraph 10.4.1 of MDR (EU) 2017/745

### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## SECTION 16: OTHER INFORAMTION

### GHS Full Text Phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Chronic 4	Hazardous to the aquatic environment - Chronic Hazard Category 4
Flam. Liq. 3	Flammable liquids Category 3
Repr. 2	Reproductive toxicity Category 2
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H361	Suspected of damaging fertility or the unborn child
H413	May cause long lasting harmful effects to aquatic life

### 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.



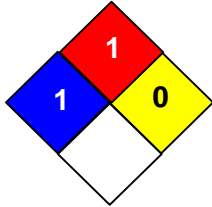
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### HMIS III Rating Health

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

#### **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.*



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### SECTION 1: IDENTIFICATION

#### PRODUCT IDENTIFIER

Product Name        Silicone Elastomer

Product Code        A-588 B

Intended Use(s) :    For professional use only

#### CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

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PO Box 1339  
Lakeside AZ 85929  
928-537-8387  
[www.factor2.com](http://www.factor2.com)  
[sales@factor2.com](mailto:sales@factor2.com)

#### EMERGENCY TELEPHONE NUMBERS

928- 368-7502

### SECTION 2: HAZARD IDENTIFICATION

#### **Classification of the substance or mixture**

##### **GHS-US classification**

Repr. 2	H36 I
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
STOT SE 3	H335

Full text of H-phrases: see section 16

#### **Label elements GHS-US labeling**

##### **Hazard pictograms (GHS- US)**



**Signal word (G HS-US)**

Warning



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### Hazard statements (GHS-US)

H361 - Suspected of damaging fertility or the unborn child

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

### Precautionary statements (GHS-US)

P201 - Obtain 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 thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear eye protection, protective gloves.

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.

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

### Other hazards

#### Other hazards not contributing to the classification

No additional information available

### Unknown acute toxicity (GHS US)

No data available



**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance** Not applicable

**Mixture**

Name	Product identifier	%	GHS-US classification
Siloxanes and Silicones, dimethyl, methyl hydrogen	(CAS No) 68037-59-2	50- 60	Skin Irrit. 2, H315 Eye Irrit. 2A H319 STOT SE 3, H335
Octamethylcyclotetrasiloxane	(CAS-No.) 556-67-2	< 1	Flam. Liq . 3, H226 Repr. 2, H361 Aquatic Chronic 4. H413

Full text of H-phrases: see section 16

**SECTION 4: FIRST AID MEASURES**

**Description of first aid measures**

**First-aid measures general**

If medical advice is needed, have product container or label at hand.

**First-aid measures after inhalation**

If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing.

**First-aid measures after skin contact**

Remove contaminated clothing. Gently wash with plenty of soap and water followed by rinsing with water for at least 15 minutes. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.

**First-aid measures after eye contact**

Immediately rinse with water for a prolonged period (at least 15 minutes) while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

**First-aid measures after ingestion**

Do not induce vomiting. Seek medical attention.

**Most important symptoms and effects, both acute and delayed**

**Symptoms/injuries**

Causes eye irritation. Causes skin irritation. Irritation of respiratory tract.

**Symptoms/injuries after inhalation**

Inhalation of fumes or vapours may cause respiratory irritation.

**Symptoms/injuries after skin contact**

Causes skin irritation.



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<b>Symptoms/ injuries after eye contact</b>	Causes eye irritation,
<b>Symptoms/injuries after ingestion</b>	Ingestion is likely to be harmful or have adverse effects.

### Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand,

## SECTION 5: FIRE FIGHTING MEASURES

### Extinguishing media

**Suitable extinguishing media** For large fire: Alcohol-resistant foam. Universal-type foam  
For small fire: Water spray. Carbon dioxide. Dry chemical.

**Unsuitable extinguishing media** Do not use a heavy water stream. Use of heavy stream of water may spread fire. Water or foam may cause frothing.

### Special hazards arising from the substance or mixture

**Fire hazard** Not considered flammable but will burn at high temperatures. Under conditions of fire this material may produce: Carbon oxides (CO, CO<sub>2</sub>). Silicon oxides. Low molecular weight hydrocarbon fragments.

**Explosion hazard** Product is not explosive.

**Reactivity** Stable at ambient temperature and under normal conditions of use.

### Advice for firefighters

#### Precautionary measures fire

Under fire conditions, hazardous fumes will be present.

#### Firefighting instructions

Do not breathe fumes from fires or vapours from decomposition. Exercise caution when fighting any chemical fire.

#### Protection during firefighting

Use normal individual fire protective equipment. Use self-contained breathing apparatus when fighting fire in an enclosed area



**Other information**

Do not use a solid water stream as it may scatter and spread fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

**Protective equipment**

Wear suitable protective clothing, gloves and eye/face protection.

**Emergency procedure**

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**For emergency responders**

**Protective equipment**

Wear suitable protective clothing, gloves and eye/face protection.

**Emergency procedures**

If possible, stop flow of product. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Environmental precautions**

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods and material for containment and cleaning up**

**For containment**

Absorb and/or contain spill with inert material, then place in suitable container.

**Methods for cleaning up**

Clean up any spills as soon as possible, using an absorbent material to collect it. Collect absorbed material and place into a sealed, labelled container for proper disposal.

**Reference to other sections**

See heading 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, see item 13.

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling**

**Additional hazards when processed**

Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.





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### Precautions for safe handling

Use appropriate personal protective equipment when handling and observe good personal hygiene measures after handling. Avoid contact with skin and eyes. Do not breathe vapours.

### Hygiene measures

Always wash your hands immediately after handling this product, and once again before leaving the workplace.

### Conditions for safe storage, Including any Incompatibilities

<b>Storage conditions</b>	Store in a dry, cool place. Keep container tightly closed. Store in original container.
<b>Incompatible materials</b>	Reacts with (strong) oxidizers
<b>Storage area</b>	Store away from heat.
<b>Special rules on packaging</b>	Keep container closed when not in use.
<b>Specific end use(s)</b>	For professional use only.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 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), NIOSH (REL), or OSHA (PEL).

### Exposure controls

#### Appropriate engineering controls

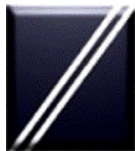
Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

#### Personal protective equipment

Gloves. Safety glasses. Protective clothing. Insufficient ventilation: wear respiratory protection



**Materials for protective clothing** Chemically resistant materials and fabrics.



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**Hand protection** Nitrile rubber (NBR) / Vinyl gloves.

**Eye protection** Safety glasses.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** In case of inadequate ventilation wear respiratory protection.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (Based on typical material)

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)	No data available
Vapor Pressure	No data available
Relative Vapor Density at 20*C	No data available
Relative Density	> 1 (Water=1)
Solubility	Water: Insoluble
Partition Coefficient n-Octanol/Water	No data available
Viscosity	No data available
<b>Other Information</b>	No additional information available

### SECTION 10: STABILITY AND REACTIVITY DATA

#### 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.

#### Chemical Stability

Stable at normal conditions.



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### Possibility of Hazardous Reactions

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

### Conditions to Avoid

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

### Incompatible Materials

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

### 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

### Information on Toxicological Effects

**Acute Toxicity** Not classified

<b>Octamethylcyclotetrasiloxane (556-67-2)</b>	
LD50 Oral Rat	1540 mg/kg
LD50 Dermal Rabbit	794 µl/kg
LC50 Inhalation Rat	36 g /m <sup>3</sup> (Exposure time: 4 h)

**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.

**Specific Target Organ Toxicity (Single Exposure)** May cause respiratory irritation

**Specific Target Organ Toxicity (Repeated Exposure)** Not classified

**Aspiration Hazard** Not classified

**Symptoms/Injuries After Inhalation** Inhalation of fumes or vapours may cause respiratory irritation



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<b>Symptoms/Injuries After Skin Contact</b>	Causes skin irritation.
<b>Symptoms/Injuries After Eye Contact</b>	Causes eye irritation
<b>Symptoms/Injuries After Ingestion</b>	Ingestion is likely to be harmful or have adverse effects.

### SECTION 12: ECOLOGICAL INFORMATION

#### Toxicity

<b>Octamethylcyclotetrasiloxane (556-67-2)</b>	
LC50 Fish 1	>500 mg/l (Exposure time: 96 h – Species: Brachydanio rerio)
LC50 Fish 2	>1000 mg/l (Exposure time: 96 h -species: Lepomis macrochirus)

**Persistence and Degradability** No additional information available

#### Bioaccumulative Potential

<b>Octamethylcyclotetrasiloxane (556-67-2)</b>	
BCF Fish 1	12400
Log Pow	5.1

**Mobility In Soil** No additional information available

**Other Adverse Effects** No additional information available

### SECTION 13: DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Sewage disposal recommendations** Do not empty into drains; dispose of this material and its container in a safe way.

**Waste disposal recommendations** Dispose of waste material in accordance with all local, regional, national, and international regulations.

### SECTION 14: TRANSPORT INFORMATION

#### In accordance with DOT/ IMDG / IATA

**UN number** Not Regulated

**UN proper shipping name** Not applicable

#### Additional information

**Other information** No supplementary information available.



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**Transport by sea**

No additional information available

**Air transport**

No additional information available

### SECTION 15: REGULATORY INFORMATION

#### 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.

#### A-588 B

SARA Section 311/312 Hazard Classes

Health hazard - Reproductive toxicity

#### US State Regulations

##### Octamethyleclotetrasiloxane 556-67-2

U.S. - Maine - Chemicals of High Concern

U.S. - Minnesota - Chemicals of High Concern

U.S. - Minnesota - Chemicals of High Concern - Persistent Bioaccumulative Toxins

U.S. - Oregon - Priority Persistent Pollutant - Tier I - Persistent Pollutants

U.S. - California - Safer Consumer Products - Initial List of Candidate Chemicals and Chemical Groups

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

U.S. - Texas - Effects Screen in Levels - Short Term

#### RoHs Directive (Restriction of the use of Certain Hazardous Substances)

To the best of our knowledge, the restricted substances prohibited in accordance with Directive 2011/65/EU and Directive 2015/863/EU are not normally expected to be present at or above the specified concentrations of 0.01% (by weight) for lead, mercury, hexavalent chromium, PBB, PBDE, (including decaBDE, PentaBDE, or OctaBDE), Phtalates (including DEHP, BBP, DBP and DIBP) and 0.01% (by weight) for cadmium.

#### REACH – Substances of Very High Concern

Octamethylcyclotetrasiloxane (CAS 556-67-2)

The above listed substances may be present in silicone-based products as unavoidable impurities of the basic silicone polymer synthesis steps currently used in the industry.

#### EU Medical Devices Regulation (MDR (EU) 2017/745)

This product is not made with, nor does it generate carcinogenic, mutagenic or toxic to reproduction ('CMR'), of category 1A or 1B, or substances having endocrine-disrupting properties as defined in paragraph 10.4.1 of MDR (EU) 2017/745



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### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### SECTION 16: OTHER INFORMATION

#### GHS Full Text Phrases:

Aqua tic Chronic 4	Hazardous to the aquatic environment - Chronic Hazard Category 4
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Fla m. Liq. 3	Flammable liquids Category 3
Re p r. 2	Reproductive toxicity Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
STO T 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
H413	May cause long lasting harmful effects to aquatic life

#### NFPA Health Hazard

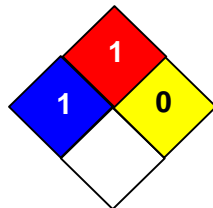
1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

#### NFPA Fire Hazard

1 - Must be heated before ignition can occur.

#### NFPA Reactivity Hazard

0 - Normally stable, even under fire exposure conditions, and are not reactive with water



#### HMIS III Rating Health

1 Slight Hazard - Irritation or minor reversible injury possible  
\* Chronic - Chronic (long-term) health effects may result from repeated overexposure



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**Flammability**            1 Slight Hazard

**Physical**                0 Minimal Hazard

### *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.*