





|                                   |   |
|-----------------------------------|---|
| Hazard Statements (GHS-US)        | H361 – Suspected of damaging fertility or the unborn child<br>H412 – Harmful to aquatic life with long lasting effects  |
| Precautionary Statements (GHS-US) | P201 – Obtain special instructions before use.<br>P202 – Do not handle until all safety precautions have been read and understood.<br>P273 – Avoid release to the environment.<br>P280 – Wear protective gloves, protective clothing, and eye protection.<br>P308+P313 – If exposed or concerned: Get medical advice/attention.<br>P405 – Store locked up.<br>P501 – Dispose of contents/container in accordance with local, regional, national, and international regulations. |

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

**3.1 Substance**

Not applicable.

**3.2 Mixture**

*Within the meaning of OSHA Hazard Communication Standard [29 CFR 1910.1200] : this substance is not considered a hazard when used in a manner which is consistent with the labeled directions.*

**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        | Remove contaminated clothing. Drench affected area with water for at least 5 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 so. Continue rinsing. Obtain medical attention if irritation develops or persists. |
| 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, fog, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, or dry chemical.

Unsuitable extinguishing media      Do not use heavy water stream. Use of a heavy water stream 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      Product is not explosive.

Reactivity      Hazardous reactions will not occur under normal conditions.

**5.3 Advice for Firefighters**

Precautionary measures fire      Exercise caution when fighting any chemical fire.

Firefighting instructions      Use water spray or fog for cooling exposed containers

Protection during firefighting      Do not enter fire area without proper protective equipment, including respiratory protection.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

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 personnel protection equipment (PPE)

Emergency procedures      Evacuate unnecessary personnel

**6.1.2 For emergency personnel**

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 clean 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 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

Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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 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**

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).

**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.

**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    |
| 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                       | 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**

No additional information 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**

None expected under normal conditions of use. Thermal decomposition generates: Carbon oxides (CO, CO<sub>2</sub>). Silicon oxides. 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     | >2375 mg/kg                |
| LC50 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 of 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 skin 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         | >22 µg/l    |
| NOEC Chronic Fish | 0.0044 mg/l |

**12.2 Persistence and Degradability**

**A-RTV-70 Part A**

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

**12.3 Bioaccumulative potential**

**A-RTV-70 Part A**

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

**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 into 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.

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**

All components of this product are listed or exempted from being listed on the United States Environment Protection Agency Toxic Substance Control Act (TSCA) inventory, have been exempted, or are not disclosed due to CBI requirements or disclosure rules according to the relevant regulation.

**A-RTV-70 Part A**

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

**15.2 US State Regulations**

**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 – Persistent Bioaccumulative Toxins

**SECTION 16: OTHER INFORMATION**

NFPA Health Hazard

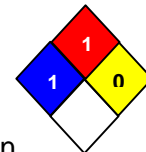
1- Exposure could cause irritation but only in minor residual injury even if no treatment is given.

NFPA Fire Hazard

1- Must be preheated before ignition can occur.

NFPA Reactivity

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





**HMIS II Rating**

Health

1 Slight Hazard – Irritation or minor reversible injury possible

Flammability

1 Slight Hazard

Physical

0 Minimal Hazard

**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.*

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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.

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**SECTION 1: IDENTIFICATION**

**PRODUCT IDENTIFIER**



**Product Name :** Silicone Elastomer

**Product Code :** A-RTV-70 B

**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(S) IDENTIFICATION**

**2.1 Classification of the substance or mixture**

**GHS-US classification**

- Skin Irrit. 2           H315
- Eye Irrit. 2A         H319
- 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)



Single word:

Hazard statements (GHS-US)

Precautionary statements

GH07

GHS08

Danger

H-315 – Causes skin irritation.

H319 – Causes serious eye irritation.

H360 – May damage 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.
- P262 – Wash hands, forearms, and other exposed areas thoroughly after handling.
- 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.
- 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 skin irritation occurs: Get medical advice/attention.
- P362+P364 – Take off contaminated clothing and wash it before reuse.
- P403+P233 – Store in a well-ventilated place. Keep the 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

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  |
|---|---------------------|-------|--|
| Silicic acid, (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester, reaction products with chlorodimethylsilane | (CAS No) 68988-57-8 | 20-30 | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319                     |
| Methyl vinylcyclosiloxane   | (CAS-No.) 2554-06-5 | <3    | Repr. 1B, H360   |
| Octamethylcyclotetrasiloxane  | (CAS-No.) 556-67-2  | <0.25 | Flam. Liq. 3, H226<br>Repr. 2, H361<br>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

Remove to fresh air and keep at rest in a position comfortable for breathing. 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. Wash contaminated clothing before reuse. 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

Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/injuries

Causes serious eye irritation. Causes skin Irritation. May cause respiratory irritation. May damage fertility or the unborn child.

Symptoms/injuries after 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

Ingestion may cause adverse effects.

Chronic symptoms

May damage fertility or the unborn child.

**4.3 Indication of any immediate medical attention and special treatment needed**

If you feel unwell, seek medical advice (show the label where possible).

**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 Extinguishing media**

Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media

Do not use heavy water stream. Use of a heavy water stream 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.

Explosive 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. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection.

Other information Refer to Section 9 for flammability properties.

**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 personnel protection equipment (PPE)

Emergency procedures Evacuate unnecessary personnel

**6.1.2 For emergency personnel**

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 clean 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 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.   |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b> |  |
| Technical measures  | Comply with applicable regulations.  |
| Storage conditions  | Keep container closed when not in use. Store in 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.  |
| <b>7.3 Specific end use</b>   |  |
| 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).

**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

Gloves. Protective clothing. protective goggle. Insufficient ventilation: wear respiratory protection.

Equipment



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.



**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

|  |                      |
|--|----------------------|
| Physical state                         | Liquid               |
| Appearance                             | Colorless            |
| Odor                                   | Oderless             |
| 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                       | No data available    |
| Specific gravity                       | > 1                  |
| Solubility                             | No data available    |
| Partition coefficient: n-octanol/water | No data available    |
| Viscosity                              | No data available    |

**9.2 Other information**

No additional information available

**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 the air.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

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

**10.4 Conditions to avoid**

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

**10.5 Incompatible materials**

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

**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. Silicone dioxide. Formaldehyde.



**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

|  |   |
|--|---|
| Acute toxicity                                     | Not classified  |
| <b>Methyl vinylcyclosiloxane (2554-06-5)</b>       |   |
| 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   |
| <b>Octamethylcyclotetrasiloxane (556-67-2)</b>     |   |
| 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                              | May damage 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                 | Not classified  |
| 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                  | 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.

**Octmethylcyclotetrasiloxane (556-67-2)**

|                   |             |
|-------------------|-------------|
| LC50 Fish         | >22µ/l      |
| NOEC Chronic Fish | 0.0044 mg/l |

**12.2 Persistence and Degradability**

**A-RTV-70 Part B**





**SECTION 15: REGULATORY INFORMATION**

**15.1 US Federal Regulations**

All components of this product are listed or exempted from being listed on the United States Environment Protection Agency Toxic Substance Control Act (TSCA) inventory, have been exempted, or not disclosed due to CBI requirements or disclosure rules according to the relevant regulation.

**A-RTV-70 Part B**

|                                     |                                 |
|-------------------------------------|---------------------------------|
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |
|-------------------------------------|---------------------------------|

**15.2 US State Regulations**

**Octamehtylcyclotetrasiloxane (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**

**16.1 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 |
| Eye Irrit. 2A     | Serious eye damage /eye irritation Category 2A                   |
| Flam. Liq. 3      | Flammable liquids Category 3                                     |
| Repr. 1B          | Reproductive toxicity, Category 1B                               |
| Repr. 2           | Reproductive liquid and vapor                                    |
| H226              | Flammable liquid and vapor                                       |
| H315              | Causes skin irritation   |
| H319              | Causes serious eye 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

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

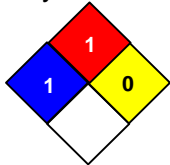


NFPA Fire Hazard 2- Materials that, under emergency conditions, can cause temporary incapacitation or residual injury

NFPA Reactivity 0 – Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS II Rating Health 2 – Moderate Hazard  
\*Chronic – Chronic (long-term) health effects may result from repeated overexposure

Flammability Physical 1 Slight Hazard  
0 Minimal Hazard



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## Safety Data Sheet

A-RTV-70

Date of Issue: 01/09/2015

Revision Date: 01/20/2025

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