



## Factor II, Incorporated

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

## Safety Data Sheet

Product Code: VST-30

Issue Date: 04/24/2019

Revision Date: 07/23/2021

### SECTION 1: IDENTIFICATION

#### PRODUCT IDENTIFIER

Product Name        Silicone Elastomer  
Product Code        VST-30 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)

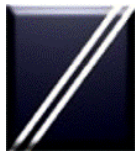
#### EMERGENCY TELEPHONE NUMBERS

928- 368-7502

### SECTION 2: HAZARD IDENTIFICATION

<b>Hazard Classification</b>	Not a hazardous substance or mixture according to GHS.
<b>Label Elements</b>	
<b>Hazard Symbol</b>	No symbol.
<b>Signal Word</b>	No signal word.
<b>Hazard Statement</b>	Not applicable
<b>Precautionary Statements</b>	
<b>Prevention</b>	Not applicable
<b>Response</b>	Not applicable
<b>Storage</b>	Not applicable
<b>Disposal</b>	Not applicable

**Other hazards which do not result in GHS classification:**



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Chemical compounds containing silicon - hydrogen bonds (SiH).

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

#### Composition Comments

Mixture of Polyorganosiloxanes  
(CASRN 63148-62-9), fillers.

### SECTION 4: FIRST AID MEASURES

#### General information

For further information refer to section 8 "Exposure-controls/  
personal protection".

#### Ingestion

Do not induce vomiting. Rinse mouth thoroughly. Get medical  
attention if symptoms occur.

#### Inhalation

Under normal conditions of intended use, this material is not  
expected to be an inhalation hazard.

#### Skin Contact

Wash skin thoroughly with soap and water. Get medical attention  
if symptoms occur after washing.

#### Eye contact

In the event of contact with the eyes, rinse thoroughly with clean  
water for at least 15 minutes. Get medical attention if irritation  
persists after washing.

#### Most important symptoms/effects, acute and delayed

##### Symptoms

None known.

##### Hazards

No specific recommendations.

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

##### Treatment

No specific recommendations.

### SECTION 5: FIRE FIGHTING MEASURES

#### General Fire Hazards

No specific recommendations.

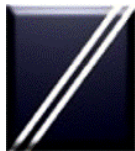
#### Suitable (and unsuitable) extinguishing media

##### Suitable extinguishing media

Dry chemical, alcohol resistant foam or carbon  
dioxide (CO<sub>2</sub>).

##### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will  
spread the fire. Do not use alkaline powders.



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### Specific hazards arising from the chemical

Product will burn under fire conditions. Hazardous Decomposition Products:  
formaldehyde, oxides of carbon and silica.

### Special protective equipment and precautions for firefighters

**Special firefighting procedures** Water spray should be used to cool containers.

### Special protective equipment for fire-fighters

Firefighters should wear standard protective equipment and a positive pressure self-contained breathing apparatus (SCBA).

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Avoid contact with alkalis and caustic products. Eliminate all sources of ignition.

### Methods and material for containment and cleaning up

Avoid contact with alkalis and caustic products. Absorb with sand or other inert absorbent and place into containers.

### Notification Procedures

Caution: Contaminated surfaces may be slippery. For waste disposal, see Section 13 of the SDS.

### Environmental Precautions

Do not allow to enter drains, sewers, or watercourses.

## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

Provide sufficient ventilation during operations which cause vapor formation. Do not mix with incompatible materials. For further information, refer to section 10: "Stability and Reactivity". Read and follow manufacturer's recommendations.

### Conditions for safe storage, including any incompatibilities

Store in tightly closed original container. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.



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

**Control Parameters**

**Occupational Exposure Limits**                      None of the components have assigned exposure limits.

**Appropriate Engineering Controls**                      No specific recommendations.

**Individual protection measures, such as personal protective equipment**

**General information**                      Provide sufficient ventilation during operations which cause vapor formation.

**Eye/face protection**                      Safety Glasses.

**Skin Protection**

**Hand Protection**                      Protective gloves are recommended.

**Other**                      Wear suitable protective clothing.

**Respiratory Protection**                      No protection is ordinarily required under normal conditions of use and with adequate ventilation.

**Hygiene measures**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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

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

**Appearance**

**Physical state**                      Liquid

**Form**                      Viscous

**Color**                      Colorless

**Odor**                      Odorless

**Odor threshold**                      No data available.

**pH**                      Not applicable

**Freezing point**                      No data available.

**Boiling Point**                      No data available.

**Flash Point**                      > 392 °F (200 °C) (Closed cup according to method Afnor T 60103.)

**Evaporation rate**                      No data available.

**Flammability (solid, gas)**                      No data available.



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<b>Flammability limit - upper (%)</b>	No data available.
<b>Flammability limit - lower (%)</b>	No data available.
<b>Vapor pressure</b>	No data available.
<b>Vapor density</b>	No data available.
<b>Density</b>	Approximate 1.12 kg/dm <sup>3</sup> (68 °F (20 °C))
<b>Solubility(ies)</b>	
<b>Solubility in water</b>	Insoluble
<b>Solubility (other)</b>	Acetone: Very slightly soluble Ethanol: Very slightly soluble Diethylether: Miscible (in all proportions). Aliphatic hydrocarbons: Miscible (in all proportions). Aromatic hydrocarbons: Miscible (in all proportions). Chlorinated solvents: Miscible (in all proportions).
<b>Partition coefficient (n-octanol/water)</b>	No data available.
<b>Auto-ignition temperature</b>	752 °F (400 °C)
<b>Decomposition temperature</b>	> 392 °F (200 °C)
<b>Viscosity</b>	Approximate 22,000 mm <sup>2</sup> /s (77 °F (25 °C))
<b>Other information</b>	
<b>Oxidizing properties</b>	According to the data on the components Not considered as oxidizing. (according to EC criteria)

### SECTION 10: STABILITY AND REACTIVITY DATA

<b>Reactivity</b>	No data available.
<b>Chemical Stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	This product may generate hydrogen gas.
<b>Conditions to avoid</b>	No other information noted.

#### Incompatible Materials

A fire or explosion hazard arises because highly flammable gas (hydrogen) is released when it is in contact with: Strong oxidizers, strong bases, and chemical compounds with mobile hydrogen, in the presence of metal salts and complexes.

#### Hazardous Decomposition Products

This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air. Thermal decomposition or combustion may liberate carbon oxides, other toxic gases or vapors and amorphous silica.

**Quantity of hydrogen potentially released (l/kg of product)** < 4



**SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

<b>Ingestion</b>	No effects expected (assessment based on ingredients).
<b>Inhalation</b>	No effects expected (assessment based on ingredients).
<b>Skin Contact</b>	No effects expected (assessment based on ingredients).
<b>Eye contact</b>	No effects expected (assessment based on ingredients).

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Ingestion</b>	No data available.
<b>Inhalation</b>	No data available.
<b>Skin Contact</b>	No data available.
<b>Eye contact</b>	No data available.

**Information on toxicological effects**

**Acute toxicity (list all possible routes of exposure)**

<b>Oral Product</b>	No data available.
<b>Dermal Product</b>	No data available.
<b>Inhalation Product</b>	No data available.

**Repeated dose toxicity Product**

No effects expected (assessment based on ingredients).

**Skin Corrosion/Irritation Product**

No effects expected (assessment based on ingredients).

**Serious Eye Damage/Eye Irritation Product**

No effects expected (assessment based on ingredients).

**Respiratory or Skin Sensitization Product**

No effects expected (assessment based on ingredients).

**Carcinogenicity Product**

No effects expected (assessment based on ingredients).

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans**

No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens**

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro Product**

No effects expected (assessment based on ingredients).



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<b>In vivo Product</b>	No effects expected (assessment based on ingredients).
<b>Reproductive toxicity Product</b>	No effects expected (assessment based on ingredients).
<b>Specific Target Organ Toxicity - Single Exposure Product</b>	No effects expected (assessment based on ingredients).
<b>Specific Target Organ Toxicity - Repeated Exposure Product</b>	No effects expected (assessment based on ingredients).
<b>Aspiration Hazard Product</b>	No effects expected (assessment based on ingredients).
<b>Other effects</b>	None known.

### SECTION 12: ECOLOGICAL INFORMATION

#### Ecotoxicity

##### Acute hazards to the aquatic environment

**Fish Product** No effects expected (assessment based on ingredients).

##### Aquatic Invertebrates Product

No effects expected (assessment based on ingredients).

##### Chronic hazards to the aquatic environment

**Fish Product** No effects expected (assessment based on ingredients).

##### Aquatic Invertebrates Product

No effects expected (assessment based on ingredients).

##### Toxicity to Aquatic Plants Product

No effects expected (assessment based on ingredients).

#### Persistence and Degradability

**Biodegradation Product** The product is not considered to be readily biodegradable.

**BOD/COD Ratio Product** No data available.

#### Bioaccumulative potential

##### Bioconcentration Factor (BCF) Product

The product is not bioaccumulating.

##### Partition Coefficient n-octanol / water (log Kow) Product

No data available.

#### Mobility in soil

No data available.



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**Other adverse effects**                      None known.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### Disposal instructions

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Waste of this material should not be mixed with other waste. Contaminated packages should be as empty as possible.

### SECTION 14: TRANSPORT INFORMATION

This material is not subject to transport regulations.

<b>Environmental hazards</b>	Not regulated
<b>Special precautions for user</b>	No special precautions.

### SECTION 15: REGULATORY INVORMATION

#### US Federal Regulations

##### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

##### CERCLA Hazardous Substance List (40 CFR 302.4)

None present or none present in regulated quantities.

##### Superfund Amendments and Reauthorization Act of 1986 (SARA)

###### Hazard categories

Acute (Immediate)  Chronic (Delayed)  Fire  Reactive  Pressure Generating

##### SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

##### SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

##### SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

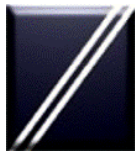
##### Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

##### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

None present or none present in regulated quantities.





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### US State Regulations

#### US. California Proposition 65

No ingredient regulated by CA Prop 65 present.

#### US. New Jersey Worker and Community Right-to-Know Act

No ingredient regulated by NJ Right-to-Know Law present.

#### US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

#### US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

#### US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

### Inventory Status

US TSCA Inventory	On or in compliance with the inventory.
Canada DSL Inventory List	On or in compliance with the inventory.
EINECS, ELINCS or NLP	On or in compliance with the inventory.
Japan (ENCS) List	On or in compliance with the inventory.
China Inv. Existing Chemical Substances	On or in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI)	On or in compliance with the inventory.
Australia AICS	On or in compliance with the inventory.
Philippines PICCS	On or in compliance with the inventory.
New Zealand Inventory of Chemicals	On or in compliance with the inventory.
Taiwan Chemical Substance Inventory	On or in compliance with the inventory.

### 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.



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## SECTION 16: OTHER INFORMATION

### HMIS Hazard ID

Health  
Flammability  
Physical Hazards  
**PERSONAL PROTECTION**

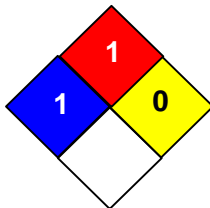
1 - Slight  
1 - Slight  
0 - Minimal  
B – Safety Glasses and gloves

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

### NFPA Hazard ID

Flammability  
Health  
Reactivity  
Special Hazard

1 - Slight  
1 - Slight  
0 - Minimal



### **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*



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*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      VerSilTal Silicone Elastomer

Product Code      VST-30 B

Intended Use(s) :    For professional use only

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

Factor II, Incorporated  
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PO Box 1339  
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### EMERGENCY TELEPHONE NUMBERS

928- 368-7502

### SECTION 2: HAZARD(S) IDENTIFICATION

**Hazard Classification** Not a hazardous substance or mixture according to GHS.

#### Label Elements

**Hazard Symbol** No symbol.

**Signal Word** No signal word.

**Hazard Statement** Not applicable

#### Precautionary Statements

**Prevention** Not applicable

**Response** Not applicable

**Storage** Not applicable

**Disposal** Not applicable

**Other hazards which do not result in GHS classification:** No data available.

### SECTION 3: HAZARDOUS INGREDIENTS

#### Mixtures

**Composition Comments** Mixture of Polyorganosiloxanes  
(CASRN 63148-62-9), fillers.

### SECTION 4: FIRST-AID MEASURES

**General information** For further information refer to section 8 "Exposure-  
controls/personal protection".

**Ingestion** Do not induce vomiting. Rinse mouth thoroughly. Get medical  
attention if symptoms occur.



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<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Skin Contact</b>	Wash contact areas with soap and water. Get medical attention if symptoms occur after washing.
<b>Eye contact</b>	In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

### Most important symptoms/effects, acute and delayed

<b>Symptoms</b>	None known.
<b>Hazards</b>	No specific recommendations.

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

<b>Treatment</b>	No specific recommendations.
------------------	------------------------------

## SECTION 5: FIRE-FIGHTING MEASURES

**General Fire Hazards** No specific recommendations.

### Suitable (and unsuitable) extinguishing media

<b>Suitable extinguishing media</b>	Water spray, foam, dry powder or carbon dioxide.
<b>Unsuitable extinguishing media</b>	None known.

### Specific hazards arising from the chemical:

Product will burn under fire conditions. Hazardous Decomposition Products: formaldehyde, oxides of carbon and silica.

### Special protective equipment and precautions for firefighters

**Special firefighting procedures** Water spray should be used to cool containers

### Special protective equipment for fire-fighters

Firefighters should wear standard protective equipment and a positive pressure self-contained breathing apparatus (SCBA).

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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



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Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.

### Methods and material for containment and cleaning up

Absorb with sand or other inert absorbent and place into containers.

### Notification Procedures

Caution: Contaminated surfaces may be slippery. For waste disposal, see Section 13 of the SDS.

### Environmental Precautions

Do not allow to enter drains, sewers or watercourses.

## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

No specific precautions.

### Conditions for safe storage, including any incompatibilities

No special storage precautions noted.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

### Appropriate Engineering Controls

No specific recommendations.

### Individual protection measures, such as personal protective equipment

#### General information

Provide sufficient ventilation during operations which cause vapor formation.

#### Eye/face protection

Safety Glasses.

#### Skin Protection Hand Protection

Protective gloves are recommended.

#### Other

Wear suitable protective clothing.

#### Respiratory Protection

No protection is ordinarily required under normal conditions of use and with adequate ventilation.

### Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.



**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

**Appearance**

**Physical state**

Liquid

**Form**

Viscous

**Color**

Colorless

**Odor:**

Slight

**Odor threshold**

No data available.

**pH**

Not applicable

**Freezing point**

No data available.

**Boiling Point**

No data available.

**Flash Point**

> 201 °F (94 °C) (Tagliabue Closed Cup)

**Evaporation rate**

No data available.

**Flammability (solid, gas)**

No data available.

**Flammability limit - upper (%)**

No data available.

**Flammability limit - lower (%)**

No data available.

**Vapor pressure**

No data available.

**Vapor density**

No data available.

**Density**

Approximate 1 kg/dm<sup>3</sup> (68 °F (20 °C))

**Solubility(ies)**

**Solubility in water**

Insoluble

**Solubility (other)**

Acetone: Very slightly soluble

Ethanol: Very slightly soluble

Diethylether: Miscible (in all proportions).

Aliphatic hydrocarbons: Miscible (in all proportions).

Aromatic hydrocarbons: Miscible (in all

proportions).

Chlorinated solvents: Miscible (in all proportions).

**Partition coefficient (n-octanol/water)**

No data available.

**Auto-ignition temperature**

No data available.

**Decomposition temperature**

No data available.

**Viscosity**

9,000 - 11,000 mm<sup>2</sup>/s (77 °F (25 °C))

**Other information**

**Oxidizing properties**

According to the data on the components Not  
considered as oxidizing. (according to EC criteria)

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity**

No data available.

**Chemical Stability**

Stable



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<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	No other information noted.
<b>Incompatible Materials</b>	Strong oxidizing agents.

### Hazardous Decomposition Products

This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air. Thermal decomposition or combustion may liberate carbon oxides, other toxic gases or vapors and amorphous silica.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Ingestion</b>	No effects expected (assessment based on ingredients).
<b>Inhalation</b>	No effects expected (assessment based on ingredients).
<b>Skin Contact</b>	No effects expected (assessment based on ingredients).
<b>Eye contact</b>	No effects expected (assessment based on ingredients).

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Ingestion</b>	No data available.
<b>Inhalation</b>	No data available.
<b>Skin Contact</b>	No data available.
<b>Eye contact</b>	No data available.

### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

<b>Oral Product</b>	No data available.
<b>Dermal Product</b>	No data available.
<b>Inhalation Product</b>	No data available.
<b>Repeated dose toxicity Product</b>	No effects expected (assessment based on ingredients).

<b>Skin Corrosion/Irritation Product</b>	No effects expected (assessment based on ingredients).
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**Serious Eye Damage/Eye Irritation Product**

No effects expected (assessment based on ingredients).

**Respiratory or Skin Sensitization Product**

No effects expected (assessment based on ingredients).

**Carcinogenicity Product**

No effects expected (assessment based on ingredients).

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans**

No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens**

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro Product**

No effects expected (assessment based on ingredients).

**In vivo Product**

No effects expected (assessment based on ingredients).

**Reproductive toxicity Product**

No effects expected (assessment based on ingredients).

**Specific Target Organ Toxicity - Single Exposure Product**

No effects expected (assessment based on ingredients).

**Specific Target Organ Toxicity - Repeated Exposure Product**

No effects expected (assessment based on ingredients).

**Aspiration Hazard Product**

No effects expected (assessment based on ingredients).

**Other effects**

None known.

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

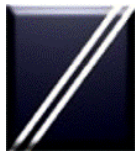
**Fish Product**

No effects expected (assessment based on ingredients).

**Aquatic Invertebrates Product**

No effects expected (assessment based on ingredients).

**Chronic hazards to the aquatic environment:**



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**Fish Product** No effects expected (assessment based on ingredients).

**Aquatic Invertebrates Product**  
No effects expected (assessment based on ingredients).

**Toxicity to Aquatic Plants Product**  
No effects expected (assessment based on ingredients).

### Persistence and Degradability

**Biodegradation Product** The product is not readily biodegradable.

**BOD/COD Ratio Product** No data available.

### Bioaccumulative potential

**Bioconcentration Factor (BCF) Product:**  
The product is not bioaccumulating.

**Partition Coefficient n-octanol / water (log Kow) Product**  
Log Kow: No data available.

**Mobility in soil** No data available.

**Other adverse effects** None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Disposal instructions

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Contaminated packages should be as empty as possible.

## SECTION 14: TRANSPORT INFORMATION

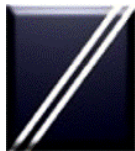
This material is not subject to transport regulations.

**Environmental hazards** Not regulated.

**Special precautions for user** No special precautions.

## SECTION 15: REGULATORY INFORMATION

### US Federal Regulations



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### **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

### **CERCLA Hazardous Substance List (40 CFR 302.4)**

None present or none present in regulated quantities.

### **Superfund Amendments and Reauthorization Act of 1986 (SARA)**

#### **Hazard categories**

Acute (Immediate)  Chronic (Delayed)  Fire  Reactive  Pressure Generating

#### **SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

#### **SARA 304 Emergency Release Notification**

None present or none present in regulated quantities.

#### **SARA 313 (TRI Reporting)**

None present or none present in regulated quantities.

### **Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

### **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

### **US State Regulations**

#### **US. California Proposition 65**

No ingredient regulated by CA Prop 65 present.

#### **US. New Jersey Worker and Community Right-to-Know Act**

No ingredient regulated by NJ Right-to-Know Law present.

#### **US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

#### **US. Pennsylvania RTK - Hazardous Substances**

No ingredient regulated by PA Right-to-Know Law present.

#### **US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

### **Inventory Status:**



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US TSCA Inventory	On or in compliance with the inventory.
Canada DSL Inventory List	On or in compliance with the inventory.
EU EINECS List	On or in compliance with the inventory.
China Inv. Existing Chemical Substances	On or in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI)	On or in compliance with the inventory.
Australia AICS	On or in compliance with the inventory.
Philippines PICCS	On or in compliance with the inventory.
New Zealand Inventory of Chemicals	On or in compliance with the inventory.

### 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

#### HMIS Hazard ID:

Health	1- Slight
Flammability	1- Slight
Physical Hazards	0 – Minimal
Personal Protection	B – Safety Glasses & Gloves

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>

#### NFPA Hazard ID:

Health	1- Slight
Flammability	1- Slight



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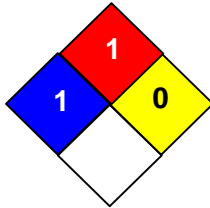
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**Reactivity**  
**Special hazard**

0 – Minimal



### SECTION 1: IDENTIFICATION

#### PRODUCT IDENTIFIER

Product Name        Silicone Elastomer  
Product Code        A-RTV-4020 C  
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

**Hazard Classification**                      Not a hazardous substance or mixture according to GHS.

#### **Label Elements**

**Hazard Symbol**                                No symbol.

**Signal Word**                                    No signal word.

**Hazard Statement**                            Not applicable.



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### Precautionary Statements

<b>Prevention</b>	Not applicable.
<b>Response</b>	Not applicable.
<b>Storage</b>	Not applicable.
<b>Disposal</b>	Not applicable.

### Other hazards which do not result in GHS classification

Chemical compounds containing silicon - hydrogen bonds (SiH). This product may generate hydrogen gas. For further information, refer to Section 10: "Stability and Reactivity".

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixtures

<b>Composition Comments</b>	Mixture of Polyorganosiloxanes, fillers.
-----------------------------	--

## SECTION 4: FIRST AID MEASURES

<b>General information</b>	For further information refer to section 8 "Exposure-controls/ personal protection".
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if symptoms occur.
<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Skin Contact</b>	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur after washing.
<b>Eye contact</b>	In the event of contact with the eyes, rinse thoroughly with clean water for at least 15 minutes. Get medical attention if irritation persists after washing.
<b>Most important symptoms/effects, acute and delayed</b>	
<b>Symptoms</b>	None known.
<b>Hazards</b>	No specific recommendations.
<b>Indication of immediate medical attention and special treatment needed</b>	
<b>Treatment</b>	No specific recommendations.



## **SECTION 5: FIRE FIGHTING MEASURES**

**General Fire Hazards** Water spray should be used to cool containers.

### **Suitable (and unsuitable) extinguishing media**

#### **Suitable extinguishing media**

Dry chemical, alcohol resistant foam or carbon dioxide (CO<sub>2</sub>).

#### **Unsuitable extinguishing media**

Do not use water jet as an extinguisher, as this will spread the fire.  
Do not use alkaline powders.

### **Specific hazards arising from the chemical**

Product will burn under fire conditions. This product may generate hydrogen gas. Vapors may form explosive mixtures with air. For further information, refer to Section 10: "Stability and Reactivity". Hazardous Decomposition Products : formaldehyde, oxides of carbon and silica.

### **Special protective equipment and precautions for firefighters**

#### **Special firefighting procedures**

Water spray should be used to cool containers.

#### **Special protective equipment for fire-fighters:**

Firefighters should wear standard protective equipment and a positive pressure self-contained breathing apparatus (SCBA).

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Avoid contact with alkalis and caustic products. Eliminate all sources of ignition.

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

Ventilate the area. Use non-sparking tools. Absorb with sand or other inert absorbent. Avoid contact with bases. Scrape up and place in appropriate vented container.

### **Notification Procedures**

Caution: Contaminated surfaces may be slippery. For waste disposal, see Section 13 of the SDS.

### **Environmental Precautions**

Do not allow to enter drains, sewers or watercourses.



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### SECTION 7: HANDLING AND STORAGE

#### Precautions for safe handling

Provide adequate ventilation if fumes or vapors are generated. Do not mix with incompatible materials. For further information, refer to Section 10: "Stability and Reactivity". Read and follow manufacturer's recommendations.

#### Conditions for safe storage, including any incompatibilities

Store in original vented container. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Control Parameters

**Occupational Exposure Limits**      None of the components have assigned exposure limits.

**Appropriate Engineering Controls**      No special precautions.

#### Individual protection measures, such as personal protective equipment

##### General information

Provide sufficient ventilation during operations which cause vapor formation. This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air.

**Eye/face protection**      Wear approved chemical safety glasses.

##### Skin Protection

**Hand Protection**      Protective gloves are recommended.

**Other**      Wear suitable protective clothing.

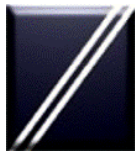
##### Respiratory Protection

No protection is ordinarily required under normal conditions of use and with adequate ventilation. If ventilation is insufficient, suitable respiratory protection must be provided.

#### Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.





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

#### Information on basic physical and chemical properties

##### Appearance

Physical state

Liquid

Form

Viscous

Color

Colorless

##### Odor

Slight odor

##### Odor threshold

No data available.

##### pH

Not applicable.

##### Freezing point

No data available.

##### Boiling Point

No data available.

##### Flash Point

> 392 °F (200 °C)

##### Evaporation rate

No data available.

##### Flammability (solid, gas)

No data available.

Flammability limit - upper (%)

74 %(V) Hydrogen.

Flammability limit - lower (%)

4 %(V) Hydrogen.

##### Vapor pressure

No data available.

##### Vapor density

No data available.

##### Relative density

1.04 (77 °F (25 °C))

##### Solubility(ies)

Solubility in water

Insoluble

Solubility (other)

No data available.

##### Partition coefficient (n-octanol/water)

No data available.

##### Auto-ignition temperature

932 °F (500 °C) Hydrogen.

##### Decomposition temperature

No data available.

##### Viscosity

200 - 600 mm<sup>2</sup>/s (77 °F (25 °C))

### SECTION 10: STABILITY AND REACTIVITY DATA

#### Reactivity

No data available.

#### Chemical Stability

Material is stable under normal conditions.

#### Possibility of hazardous reactions

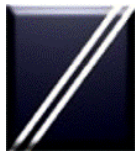
This product may generate hydrogen gas.

#### Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

#### Incompatible Materials

A fire or explosion hazard arises because highly flammable gas (hydrogen) is released when it is in contact with: Strong oxidizers, strong bases and chemical compounds with mobile hydrogen, in the presence of metal salts and complexes.



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### Hazardous Decomposition Products

This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air. Thermal decomposition or combustion may liberate carbon oxides, other toxic gases or vapors and amorphous silica.

Quantity of hydrogen potentially released (l/kg of product): ~38

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Ingestion	No data available.
Inhalation	No data available.
Skin Contact	No data available.
Eye contact	No data available.

### Symptoms related to the physical, chemical and toxicological characteristics

Ingestion	No data available.
Inhalation	No data available.
Skin Contact	No data available.
Eye contact	No data available.

### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

Oral Product	ATEmix: 2,500 mg/kg
Dermal Product	No data available.
Inhalation Product	No data available.
Repeated dose toxicity Product	No data available.

**Skin Corrosion/Irritation Product** No data available.

**Serious Eye Damage/Eye Irritation Product** No data available.

**Respiratory or Skin Sensitization Product** No data available.

**Carcinogenicity Product** No data available.

#### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

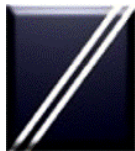
No carcinogenic components identified

#### US. National Toxicology Program (NTP) Report on Carcinogens

No carcinogenic components identified

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

No carcinogenic components identified



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<b>Germ Cell Mutagenicity</b>	
<b>In vitro Product</b>	No data available.
<b>In vivo Product</b>	No data available.
<b>Reproductive toxicity Product</b>	No data available.
<b>Specific Target Organ Toxicity - Single Exposure Product</b>	No data available.
<b>Specific Target Organ Toxicity - Repeated Exposure Product</b>	No data available.
<b>Aspiration Hazard Product</b>	No data available.
<b>Other effects</b>	No data available.

### SECTION 12: ECOLOGICAL INFORMATION

#### Ecotoxicity:

##### Acute hazards to the aquatic environment:

**Fish Product** No data available.

**Aquatic Invertebrates Product** No data available.

##### Chronic hazards to the aquatic environment

**Fish Product** No data available.

**Aquatic Invertebrates Product** No data available.

**Toxicity to Aquatic Plants Product** No data available.

#### Persistence and Degradability

**Biodegradation Product** No data available.

**BOD/COD Ratio Product** No data available.

#### Bioaccumulative potential

**Bioconcentration Factor (BCF) Product** No data available.

**Partition Coefficient n-octanol / water (log Kow) Product**  
No data available.

**Mobility in soil** No data available.



**Other adverse effects**

No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Disposal instructions**

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Waste of this material should not be mixed with other waste. Provide measures such as vented bungs to ensure pressure relief in the waste container. Contaminated packages should be as empty as possible and equipped with a degassing device.

**SECTION 14: TRANSPORT INFORMATION**

This material is not subject to transport regulations.

**Environmental hazards** Not regulated.

**Special precautions for user** Packaging with a breathing/venting bung are FORBIDDEN for transport by air.

**SECTION 15: REGULATORY INFORMATION**

**US Federal Regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

None present or none present in regulated quantities.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Acute (Immediate)  Chronic (Delayed)  Fire  Reactive  Pressure Generating

**SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

**SARA 304 Emergency Release Notification**

None present or none present in regulated quantities.

**SARA 313 (TRI Reporting)**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**



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None present or none present in regulated quantities.

### US State Regulations

#### US. California Proposition 65

No ingredient regulated by CA Prop 65 present.

#### US. New Jersey Worker and Community Right-to-Know Act

No ingredient regulated by NJ Right-to-Know Law present.

#### US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

#### US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

#### US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

### Inventory Status

US TSCA Inventory	On or in compliance with the inventory.
Canada DSL Inventory List	On or in compliance with the inventory.
EU EINECS List	On or in compliance with the inventory.
Japan (ENCS) List	On or in compliance with the inventory.
China Inv. Existing Chemical Substances	On or in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI)	On or in compliance with the inventory.
Australia AICS	On or in compliance with the inventory.
Philippines PICCS	On or in compliance with the inventory.
New Zealand Inventory of Chemicals	On or in compliance with the inventory.

### SECTION 16: OTHER INFORMATION

#### HMIS Hazard ID

Health	1 - Slight
Flammability	1 - Slight
Physical Hazards	1 - Slight
PERSONAL PROTECTION	B – Safety Glasses and gloves

#### NFPA Hazard ID

Flammability	1 - Slight
Health	1 - Slight



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**Reactivity**  
**Special Hazard**

**1 - Slight**

### **PATENT WARNING:**

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