



Factor II, Incorporated

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

Safety Data Sheet

Product Code: VST-50

Issue Date: 04/24/2019
Revision Date: 07/23/2021

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name Silicone Elastomer
Product Code VST-50 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
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
Precautionary Statements	
Prevention	Not applicable
Response	Not applicable
Storage	Not applicable
Disposal	Not applicable

Other hazards which do not result in GHS classification:



Chemical compounds containing silicon - hydrogen bonds (SiH).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Composition Comments

Mixture of Polyorganosiloxanes, 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 (CO₂).

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 fire fighting 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



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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.

Flammability limit - upper (%)

No data available.

Flammability limit - lower (%)

No data available.

Vapor pressure

No data available.

Vapor density

No data available.

Density

Approximate 1.12 kg/dm³ (68 °F (20 °C))



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Solubility(ies)

Solubility in water

Solubility (other)

Insoluble

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

752 °F (400 °C)

Decomposition temperature

> 392 °F (200 °C)

Viscosity

Approximate 22,000 mm²/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 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

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

Ingestion

No effects expected (assessment based on ingredients).

Inhalation

No effects expected (assessment based on ingredients).



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Skin Contact No effects expected (assessment based on ingredients).
Eye contact No effects expected (assessment based on ingredients).

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 No data available.
Dermal Product No data available.
Inhalation Product 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).

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

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.

Other adverse effects

None known.



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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.

Environmental hazards

Not regulated

Special precautions for user

No special precautions.

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)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

No ingredient regulated by CA Prop 65 present.



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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.

SECTION 16: OTHER INFORMATION

HMIS Hazard ID

Health	1 - Slight
Flammability	1 - Slight
Physical Hazards	0 - Minimal
PERSONAL PROTECTION	B – Safety Glasses and gloves



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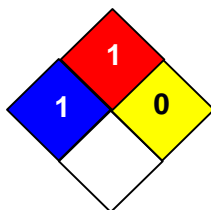
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HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

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 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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PRODUCT IDENTIFIER

Product Name Silicone Elastomer

Product Code VST-50 B

Intended Use(s) : For professional use only

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

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sales@factor2.com

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, fillers, additives.

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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Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin Contact	Wash contact areas 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. Continue to rinse 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	Water spray, foam, dry powder, or carbon dioxide.
Unsuitable extinguishing media	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 fire fighting 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 SOS for Personal Protective Equipment



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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

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

Flammability limit • upper (%)

No data available

Flammability limit • lower (%)

No data available

Vapor pressure

No data available

Vapor density

No data available

Density

Approximate 1.025 kg/dm³ (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

752 °F (400 °C)

Decomposition temperature

No data available.

Viscosity

Approximate 7,000 mm²/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



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Reactivity	No data available
Chemical Stability	Stable
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	No other information noted
Incompatible Materials	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

Ingestion:	No effects expected (assessment based on ingredients).
Inhalation	No effects expected (assessment based on ingredients).
Skin Contact	No effects expected (assessment based on ingredients).
Eye contact	No effects expected (assessment based on ingredients).

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	No data available.
Dermal Product	No data available.
Inhalation Product	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).



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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:

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



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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



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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.

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.
EINECS, ELINCS or NLP:	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.

SECTION 16: OTHER INFORMATION

HMIS Hazard ID

Health

1 - Slight

Flammability

1 - Slight

Physical Hazards

0 - Minimal

PERSONAL PROTECTION

B – Safety Glasses and gloves

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0



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PERSONAL PROTECTION	B
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NFPA Hazard ID

Flammability

1 - Slight

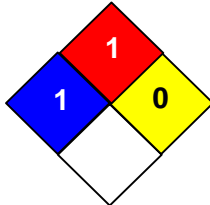
Health

1 - Slight

Reactivity

0 - Minimal

Special Hazard



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
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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.

Precautionary Statements

Prevention Not applicable.

Response Not applicable.

Storage Not applicable.

Disposal 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

Composition Comments Mixture of Polyorganosiloxanes, 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.



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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 Water spray should be used to cool containers.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media

Dry chemical, alcohol resistant foam or carbon dioxide (CO₂).

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



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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.

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.



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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.

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 mm²/s (77 °F (25 °C))

SECTION 10: STABILITY AND REACTIVITY DATA



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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.

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



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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



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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

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.



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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
Reactivity	1 - Slight
Special Hazard	

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