



**Factor II, Incorporated**

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

**Safety Data Sheet**

Product Code: A-RTV-4040

Revision Date: 10-20-2019

## **SECTION 1: IDENTIFICATION**

### PRODUCT IDENTIFIER

Product Name      Platinum Silicone Elastomer

Product Code      A-RTV-4040 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(S) IDENTIFICATION**

### **Classification of the substances or mixture:**

The product has been classified according to the legislation in force.

### **Hazard Classification:**

#### **Health Hazards:**

Toxic to reproduction

Category 2    H361: Suspected of  
damaging fertility or the unborn child.

### **Label Elements:**

#### **Hazard Pictograms:**





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<b>Signal Word:</b>	Warning
<b>Hazard Statements:</b>	H361: Suspected of damaging fertility or the unborn child
<b>Precautionary statements:</b>	
<b>Prevention:</b>	P281: Use personal protective equipment as required
<b>Response:</b>	P309: If exposed or if you feel unwell: P313: Get medical advice/attention

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

Meets vPvB criteria

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### Mixtures :

#### **General Information :**

Mixture of Polyorganosiloxanes, fillers, additives.

#### **Hazardous Component(s):**

Chemical name	Concentration*	Type	CAS number
Octamethylcyclotetrasiloxane	0.1<1%	Impurities	556-67-2

\*All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## SECTION 4: FIRST-AID MEASURES

### **General Information:**

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

### Description of first aid measures:

#### **Inhalation:**

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

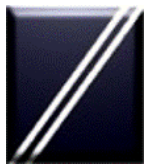
#### **Skin contact:**

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.

#### **Ingestion:**



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

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

None known.

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

**Hazards:**

No specific recommendations

**Treatment:**

No specific recommendations

**SECTION 5: FIRE-FIGHTING MEASURES**

**General Fire Hazards:**

No specific recommendations

**Extinguishing media:**

**Suitable extinguishing media:**

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

**Unsuitable extinguishing media:**

None known

**Special hazards arising from the substance or mixture:**

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

**Advise for firefighters:**

**Special fire 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:**

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



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**Environmental Precautions:**

Do not allow to enter drains, sewers or watercourses.

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

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

**Reference to other sections:**

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

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling:**

Precautions:

See Section 8 of the SDS for personal Protective Equipment.

**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.

**Conditions for safe storage, including any incompatibilities:**

Store in tightly closed original container in a dry, cool and well-ventilated place.

**Specific end use(s):**

No specific recommendations.

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

**Control Parameters:**

**Occupational Exposure limits:**

None of the components have assigned exposure limits.

**Exposure controls:**

**Appropriate Engineering Controls:**

No specific recommendations.

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

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.

**Hand Protection:**

Material: Protective gloves are recommended.



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**Skin and Body Protection:** Wear suitable protective clothing.

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

**Environmental Controls:**  
No data available.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

**Appearance:**

**Physical state:** Liquid

**Form:** Viscous

**Color:** Colorless

**Odor:** Odorless

**pH:** Not applicable

**Melting point/freezing point:** No data available

**Boiling point:** No data available

**Flash point:** >200°C / 392°F (estimated)

**Flammability:** No data available

**Flammability Limit-Upper(%):** No data available

**Flammability Limit-Lower(%):** No data available

**Vapor pressure:** No data available

**Relative vapor density:** No data available

**Evaporation Rate:** No data available

**Density:** Approximate 1.1 kg/dm<sup>3</sup> (20°C)

**Solubility(ies):**

**Solubility in Water:** Practically Insoluble

**Solubility (other):** Acetone: Very slightly soluble

Alcohol: Dispersible

Diethylether: Dispersible

Aliphatic hydrocarbons: Dispersible

Aromatic hydrocarbons: Despersible

**Partition coefficient**

**(n-octanol/water):** No data available

**Self-Ignition Temperature:** No data available

**Decomposition temperature:** No data available

**Kinematic viscosity:** Approximate 36,400 mm<sup>2</sup>/s (25°C)

**Particle characteristics:** Not applicable

**Other information:**

**Dynamic Viscosity:** 40,000 mPa.s (23°C)



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**Oxidizing properties:** According to the data on the components not considered as oxidizing. (evaluation by structure-activity relationship)

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:**

No data available

**Chemical Stability:**

Stable

**Possibility of hazardous reactions:**

Will not occur

**Conditions to avoid:**

None known.

**Incompatible materials:**

Strong oxidizers, strong acids, and strong bases.

**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:**

**Inhalation:**

No effects expected (assessment based on ingredients)

**Ingestion:**

No effects expected (assessment based on ingredients)

**Skin contact:**

No effect expected (assessment based on ingredients)

**Eye contact**

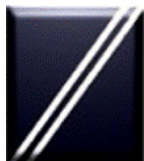
No effect expected (assessment based on ingredients)

**Information on toxicological effects:**

**Acute toxicity:**

**Oral:**

No effects expected (assessment based on ingredients)



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### **Dermal:**

No effects expected (assessment based on ingredients)

### **Inhalation:**

No effects expected (assessment based on ingredients)

### **Repeated dose toxicity:**

No effects expected (assessment based on ingredients)

### **Skin corrosion/irritation:**

No effects expected (assessment based on ingredients)

### **Serious Eye Damage/Eye Irritation**

No effects expected (assessment based on ingredients)

### **Respiratory or Skin Sensitization:**

No effects expected (assessment based on ingredients)

### **Germ Cell Mutagenicity:**

#### **In vitro:**

No effects expected (assessment based on ingredients)

#### **In vivo:**

No effects expected (assessment based on ingredients)

### **Carcinogenicity:**

**No effects expected (assessment based on ingredients)**

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

No carcinogens present or none present in regulated quantities

### **US National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogens present or none present in regulated quantities.

### **US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:**

No carcinogens present or none present in regulated quantities.

### **Reproductive toxicity:**

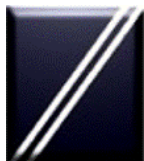
**Fertility: Based on our knowledge of the composition information.: Suspected of damaging fertility or the unborn child.**

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):

Suspected of damaging fertility.

Fertility study 2 generations: NOAEL (parent): 3.64 mg/l; NOAEL (F1):3.64 mg/l; NOAEL (F2):

None. (Rat; Female, Male; Inhalation; method: Similar to OECD 416; Effects on fertility



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**Teratogenicity: Based on our knowledge of the composition information: Suspected of damaging fertility or the unborn child**

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):

NOAEL (terato):  $\geq 8.492$  mg/l ; NOAEL (mater: 3.64 mg/l (Rat; Inhalation – vapor) ; Method: Similar to OECD 414 ; The product is not considered to be toxic for development.

NOAEL (terato):  $\geq 6.066$  mg/l (Rabbit ; Inhalation – vapor) ; Method: Similar to OECD 414 ; The product is not considered to be toxic for development.

**Specific Target Organ Toxicity – Single Exposure:**

No effects expected (assessment based on ingredients)

**Aspiration Hazard:**

No effects expected (assessment based on ingredients)

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity:**

**Acute Toxicity:**

**Fish: Based on our knowledge of the composition information:**

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):

LC 50 (Oncorhynchus mykiss; 96 h ; Flow through) :  $> 0.022$  mg/l ; Method: According to a standardized method.

**Aquatic Invertebrates: Based on our knowledge of the composition information:**

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):

EC 50 (Water lea (Daphnia magna); 48 h Flow through  $> 0.015$  mg/l ; Method: According to a standardized method.

**Aquatic plants: Based on our knowledge of the composition information:**

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):

ErC50 (Algae (Pseudokirchneriella subcapitata; 96 h) :  $> 0.022$  mg/l ; Method: According to a standardized method.

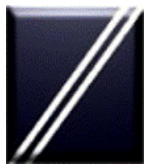
ErC10 (Algae (Pseudokirchneriella subcapitata; 96 h) :  $> 0.022$  mg/l ; Method: According to a standardized method.

**Toxicity to microorganisms: Based on our knowledge of the composition information:**

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):

EC 50 (3h) :  $> 10,000$  mg/l





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**Chronic Toxicity:**

Fish: Based on our knowledge of the composition information:

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):

NOEC (Oncorhynchus mykiss; 93 d ; Flow through) :  $\geq 0.0044$  mg/l ; Method: According to a standardized method.

**Aquatic Invertebrates: Based on our knowledge of the composition information:**

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):

NOEC (Water flea (Daphnia magna); 21 d ; Flow through) :  $\geq 0.015$  mg/l ; Method: According to a standardized method.

**Persistence and Degradability:**

**Biodegradation: Based on our knowledge of the composition information:**

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):

3.7 % (activated sludge and sewage, soil ; 28 d) ; Method: OECD 310 ; The product is not considered to be readily biodegradable.

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

**Bioaccumulative potential:**

Bioconcentration Factor (BCF): Based on our knowledge of the composition information:

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):

Bioconcentration Factor (BCF): 14.900 (Fathead Minnow) ; Method: OECD 305 ; Not bioaccumulable based on the depuration rate constant

Partition coefficient (n-octanol/water): No data available.

**Mobility in soil:**

No data available.

**Other adverse effects:**

None known.

<b>SECTION 13: DISPOSAL CONSIDERATIONS</b>
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**Waste treatment methods:**

**Disposal methods:**

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 Packaging:**

Contaminated Packages should be as empty as possible.



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## SECTION 14: TRANSPORT INFORMATION

This material is not subject to transport regulations.

## 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 Substances List (40 CFR 302.4):** None present, or none present in regulated quantities.

**Superfund Amendments and Reauthorization Act of 1988 (SARA):**

### **Hazard categories**

Toxic to reproduction

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

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) – Supplier Notification Required:** None present, or none present in regulated quantities.

### US State Regulations:

US. California Proposition 65: No ingredient requiring a warning under CA Prop 65

**US. New Jersey Worker and Community Right -To-Know Act:** No ingredient regulated by NJ Right-to-Know Law present.

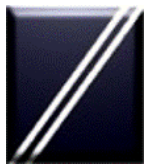
**US. Massachusetts RTK – substance list:** No ingredient regulated by MA Right-to-Know Law present.

**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.
China Inv. Existing Chemical Substances	On or in compliance with the inventory.
Korea Existing Chemical Inv. (KECI):	On or in compliance with the inventory.
Austrillia AICS:	On or in compliance with the inventory.
Phillippines PICCS:	On or in compliance with the inventory.
New Zealand Inventory of Chemicals	On or in compliance with the inventory.



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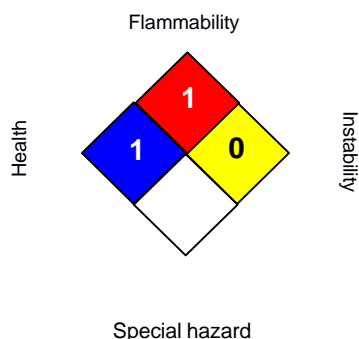
### SECTION 16: OTHER INFORMATION

#### HMIS Hazard ID:

HEALTH	*1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

Hazard rating: 0-Minimal; 1-Slight; 2-Moderate; 3-Serious; 4-Severe; RNP-Rating not possible; \*Chronic health effect  
B-Safety Glasses & Gloves

#### NFPA Hazard ID:



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#### WARNINGS ABOUT PRODUCT SAFETY:



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