



Factor II, Incorporated

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

Safety Data Sheet

Product Code: A-RTV-4040

Revision Date: 8-27-2021

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
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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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Signal Word:	Warning
Hazard Statements:	H361: Suspected of damaging fertility or the unborn child
Precautionary statements:	
Prevention:	P281: Use personal protective equipment as required
Response:	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.

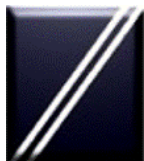
Skin contact:

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 (CO₂)

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/dm³ (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 mm²/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

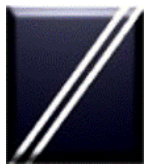
No effect expected (assessment based on ingredients)

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:

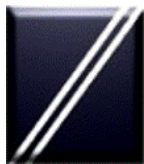
Fertility: Based on our knowledge of the composition information.: Suspected of damaging fertility or the unborn child.

OCTAMETHYLCYCLOTETRAISILOXANE (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): ≥ 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): ≥ 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) : ≥ 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) : ≥ 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.

SECTION 13: DISPOSAL CONSIDERATIONS
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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.



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.

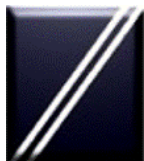
US. Massachusetts RTK – substance list: No ingredient regulated by MA Right-to-Know Law present.

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:

