



Factor II, Incorporated

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

Safety Data Sheet

Product Code: A-RTV-4020 C

Revision Date: 10/20/2017

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name Catalyst
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
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). This product may generate hydrogen gas. For further information, refer to Section 10: "Stability and Reactivity".



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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	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 ₂).
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. 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.

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.

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.



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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 ² /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.

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.



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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
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.

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):

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.



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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
Reactivity	1 - Slight
Special Hazard	

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