

Product Code

Date of Issue: Revision Date:04/05/2018

Factor II Inc. encourages the end user to read this document entirely and understand all sections of this SDS sheet prior to use. There is important information regarding this product. The end user is expected to follow all precautions outlined in this SDS.

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name: Catalyst

Product Code: A-RTV-3040-C

Intended Use(s) : For professional use only

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

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EMERGENCY TELEPHONE NUMBERS

928-368-7502

SECTION 2: HAZARD(S) IDENTIFICATION

Hazard Classification Health Hazards

Toxic to reproduction Category 2

Label Elements

Hazard Symbol:



Signal Word: Warning

Hazard Statement: Suspected of damaging fertility.



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Precautionary Statements

Prevention: Use personal protective equipment as required.

Response: If exposed or concerned: Get medical advice/attention.

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

Chemical Identity	CAS number	Content in percent (%)*
Octamethylcyclotetrasiloxane	556-67-2	0.1 - <1%

^{*}All concentrations are percent by weight unless ingredients is a gas. Gas concentrations are in percent by volume.

Composition Comments: Mixture of Polyorganosiloxanes, filers, 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.

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.



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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.

Specific hazards arising from

The chemical:

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 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.



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Methods and material for

Containment and cleaning up: Avoid contact with alkalis and caustic products. Use non-

Sparking tools. Absorb with sand or other inert absorbent. 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: Collect spillage. Prevent entry into waterways, sewer,

Basements or confined areas. Mechanically ventilate the

Spillage area to prevent the formation of explosive

Concentrations.

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 manufactures

recommendations.

Conditions for safe storage,

Including and 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 specific recommendations.

Individual protection measures, such as personal protective equipment

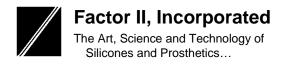
General information: Provide sufficient ventilation during operations which cause

vapor formation.

Eye/face protection: Safety Glasses.

Skin protection

Hand protection: Protective gloves are recommended.



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Other: Wear suitable protective clothing.

Respiratory Protection: No protection is ordinarily required under normal conditions

of use and with adequate ventilation.

Always observe good personal hygiene measures, such as **Hygiene measures:**

> Washing after handling the material and before eating, Drinking, and/or smoking. Routinely was work clothing and

Protective equipment to remove contaminants.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance

Odor:

Liquid Physical state: Form: Mobile Color: Colorless 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) (Pensky-Martens Closed Cup)

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

Density: Approximate 1.04 kg/dm3 (68 °F (20 °C))

Solubility(ies)

Solubility in water: Insoluble

Acetone: Very slightly soluble. Solubility (other): Ethanol: Very slightly soluble.

Diethylether: Miscible (in all proportions)

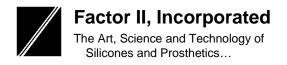
Aliphatic hydrocarbons: Miscible (in all proportions) Aromatic hydrocarbons: Miscible (in all proportions) Chlorinated solvents: Miscible (in all proportions)

Partition coefficient

(n-octanol/water): No data available

Auto-ignition temperature: 932 °F (500 °C) Hydrogen

Decomposition temperature: No data available **Viscosity:** 40,000-60,000 mm2/s



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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: 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

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 (I/kg of product):

< 50

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



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Information on toxicology 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

U.S. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

U.S 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 data available



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Specified substance(s): Octamethylcyclotetr-

asiloxane Suspected of damaging fertility

Specific target organ toxicity - Single Exposure

Product: No effects expected (assessment based on ingredients)

Specific target organ toxicity - Repeated Exposure

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)

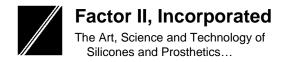
Persistence and Degradability

Bioconcentration

Product: The product is not readily biodegradable.

BOD/COD ratio

Product: No data available.



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Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: This product is not bioaccumulating

Partition coefficient n-octanol/water (log Kow)
Product:
No data avalable

Mobility in soil: No data available

Known or predicted distribution to environmental compartments

Octamethylcyclotetr-

asiloxane 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. 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 uses: 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.

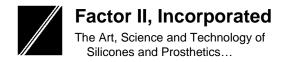


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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Acute (Immediate) X Chron	ic (Delayed) Fire Reactive Pressure Generating
SARA 302 Extremely hazar None present or none	dous substance e present in regulated quantities.
SARA 304 Extremely release None present or none	se notification e present in regulated quantities.
SARA 313 (TRI Reporting) None present or none	e present in regulated quantities.
	ardous Substances (40 CFR 68.130): e present in regulated quantities.
	Accidental Release Prevention (40 CFR 68.130): e present in regulated quantities.
US State Regulations	
U.S. California Proposition No ingredient by CA	
——————————————————————————————————————	nd Community Right-to-Know Act sted by NJ Right-to-Know Law present.
U.S. Massachusetts RTK-S No ingredients regula	substance List ated by PA Right-to-Know Law present.
U.S. Pennsylvania RTK-Ha No ingredients regula	zardous Substance List ated by PA Right-to-Know Law present.
U.S. Rhode Island RTK No ingredients regula	ated 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.



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Japan (ENCS) List: 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.

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
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	В

B - Safety Glasses & Gloves

Hazard rating: 0 – minimal; 1 – slight; 2 – Moderate; 3 – serious; 4 – Severe; RNP – Rating not possible; *Chronic health effect

NFPA Hazard ID

