



Factor II, Incorporated

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

Safety Data Sheet

A-RTV-4420 A&B
Revision Date: 03/18/2020

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

General information: Mixture of Polyorganosiloxanes, fillers, additives.

SECTION 4: FIRST-AID MEASURES

General information

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

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	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	Water spray, dry powder or carbon dioxide.
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"



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and Reactivity". Hazardous Decomposition Products: formaldehyde, oxides of carbon and silica.

Advice 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

Environmental precautions

Do not allow to enter drains, sewers or watercourses.

Methods and materials for containment and cleanup

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

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Precaution

No special precautions are necessary beyond normal good hygiene practices. See section 8 of the SDS for additional personal protection advice.

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 cool, dry place with adequate ventilation.

Specific end use(s)

No available data



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

Eye/Face

Safety glasses

Skin

Wear suitable protective clothing

Hands

Protective gloves recommended

Respiratory

If ventilation is insufficient, suitable respiratory protection must be provided

Environmental Controls

No data available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance

Physical state

Liquid

Form

Slightly viscous

Color

Colorless, translucent

Odor

Odorless

Odor threshold

No data available

pH

Not applicable

Melting point/freezing point

No data available

Boiling point

No data available

Flash point

>200°C (Closed Cup)

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 (air+1)

No data available

Density

Approximate 1.1 kg/dm³ (20°C)

Solubility(ies)

Solubility in water

Insoluble

Solubility (other)

Acetone: Very slightly soluble

Ethanol: Very slightly soluble

Diethylether: Miscible (in all proportions)



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Partition coefficient (n-octanol/water)	Aliphatic hydrocarbons: Miscible (in all portions)
Self-ignition temperature	Aromatic hydrocarbons: Miscible (in all proportions)
Decomposition temperature	Chlorinated solvents: Miscible (in all proportions)
Kinematic viscosity	No data available
Dynamic viscosity	400°C
Explosive properties	No data available
Oxidizing properties	No data available
Other information	According to the data on the components Not considered as oxidizing (according to EC criteria)
	No data available

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	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°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): <5.

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



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Information on Toxicological effects

Acute toxicity

Oral	Not classified for acute toxicity based on available data
Dermal	Not classified for acute toxicity based on available data
Inhalation	Not classified for acute toxicity based on available data

Repeated dose toxicity No data available

Skin corrosion/Irritation No data available

Serious Eye Damage/Eye Irritation No data available

Respiratory of Skin Sensitization No data available

Carcinogenicity 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 Substance (29 CFR 1910.1001-1050)

No carcinogenic components identified

Reproductive toxicity

Fertility No data available

Teratogenicity No data available

Specific Target Organs Toxicity – Single exposure product

No data available

Specific Target Organs Toxicity – Repeated exposure product

No data available

Aspiration Hazard products

No data available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Acute toxicity

Fish No data available

Aquatic Invertebrates No data available



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Aquatic plants No data available
Toxicity to microorganisms No data available

Chronic toxicity
Fish No data available
Aquatic Invertebrates No data available

Persistence and Degradability
Biodegradation products No data available
BOD/COD Ratio products No data available

Bioaccumulative potential
Bioconcentration Factor (BCF) No data available
Partition Coefficient n-octanol/water (log Kow) No data available

Mobility in soil No data available

Other adverse effects No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal instructions

Disposed 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 product should not be mixed with other waste. Contaminated packages should be as empty as possible

Contaminated Packaging

Contaminated packages should be as empty as possible

SECTION 14: TRANSPORT INFORMATION

This product is not subject to transport regulations

Other information Packaging with breathing/venting bung are
FORBIDDEN for transport by air

Transport in bulk according to Annex II of MARPOL and IBC Code
Not applicable



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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 Not classified

SARA 304 Emergency Release Notification

None present or none present in regulated quantities

**US. EPCRA (SARA Title III) Section 312 Extremely Hazardous
substance Reporting Quantities (40 CFR 355, Appendix A**

None present or none present in regulated quantities

**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

Clean Water Act Section 311 Hazardous substance (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



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Inventory Status

US TSCA Inventory	On or in compliance with the inventory
Canada DSL Inventory	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
Taiwan Chemical Substance Inventory	On or in compliance with the inventory

SECTION 16: OTHER INFORMATION

HMIS III:

Health	1 – Slight
Flammability	1 – Slight
Physical Hazards	1 – Slight
Personal Protection	B – Safety Glasses & Gloves

NFPA:

Health	1 – Slight
Flammability	1 – Slight
Reactivity	1 – Slight
Special hazard	

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in a particular application, you should review the latest Material Safety Data Sheets and contact Factor II for any questions about product safety information you may have.

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