



Factor II, Incorporated

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

Safety Data Sheet

Product Code A-RTV-3040

Date of Issue: -05-31-2016

Revision Date: 05-05-2019

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Mixture

Chemical Identity	Common name and synonyms	CAS No.	Content in percent (%)*
Siloxanes and Silicones, di-Me, vinyl group-terminated, alpha,omegadivinylnpolydimethylsiloxane		68083-19-2	60 – 90%
Silica, [(dimethylvinylsilyl)oxy]- and [(trimethylsilyl)oxy]modified		68988-89-6	10 – 40%

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

Composition Comments

Mixture of Polyorganosiloxanes, fillers, 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

Immediately wipe excess material off skin with a dry cloth; then wash skin with plenty of soap and water. Seek medical attention if irritation develops or persists.

Eye contact

In case of contact, immediately absorb excess with clean absorbent cloth or cotton. Then, hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention if irritation develops or persists or if visual changes occur.

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.



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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

None known.

Specific hazards arising from the chemical:

Product will burn under fire conditions.
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 NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool and disperse vapors.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

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

Methods and material for containment and cleaning up:

Absorb with inert material. Scrape up and place in appropriate closed container see Section 7 of the MSDS.

Notification Procedures:

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

Environmental Precautions:

Do not allow to enter drains, sewers or watercourses.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:

See Section 8 of the MSDS for Personal Protective Equipment.



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Conditions for safe storage, including any incompatibilities:

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

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. This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air.

Eye/face protection: Wear approved 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.

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

Information on basic physical and chemical properties:

Appearance

Physical state: Liquid
Form: Viscous.
Color: Transparent.

Odor: Odorless

Odor threshold: No data available.

pH: Not applicable

Melting point/freezing point: No data available.

International Inventories: No data available.

Flash Point: Estimated > 392 °F (> 200 °C)

Evaporation rate: No data available.

Flammability (solid, gas): No data available.

Flammability limit - upper (%): No data available.

Flammability limit - lower (%): No data available.



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Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	Approximate 1.10 (68 °F (20 °C))
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	Acetone.: Very slightly soluble. Alcohol: Dispersible Diethylether.: Dispersible Aliphatic hydrocarbons.: Dispersible Aromatic hydrocarbons.: Dispersible Chlorinated solvents.: Dispersible
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	Approximate 47,000 mm ² /s (77 °F (25 °C))

Other information

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:

Thermal decomposition may liberate dimethylcyclosiloxanes. This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air.

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).



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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.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product: ATEmix : 2,001.04 mg/kg

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

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 effects expected (assessment based on ingredients).

In vivo Product: No effects expected (assessment based on ingredients).



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Reproductive Toxicity Product: No effects expected (assessment based on ingredients).

Specific Target Organ Toxicity - Single Exposure Product:
No effects expected (assessment based on ingredients).

Specific Target Organ Toxicity - Repeated Exposure Product:
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

Biodegradation Product: Not applicable

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.

Known or predicted distribution to environmental compartments

Siloxanes and Silicones, di-Me, vinyl group-terminated,
alpha,omegadinylpolydimethylsiloxane No data available.

Silica, [(dimethylvinylsilyl)oxy]- and [(trimethylsilyl)oxy]modified
No data available.



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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.

SECTION 14: TRANSPORT INFORMATION

This material is not subject to transport regulations.

Environmental hazards: Not regulated.

Special precautions for user: No special precautions

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):

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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:

Australia AICS:	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 Chemicals Inv. (KECI):	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	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	0 – Minimal
Personal Protection	B – Safety Glasses

NFPA Hazard ID

Health	1 - Slight
Flammability	1 - Slight
Reactivity	0 – Minimal
Personal Protection	-

DISCLAIMER / STATEMENT OF LIABILITY:

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