



Factor II, Incorporated

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

Safety Data Sheet

Product Code B-203

Revision Date: 31 January 2018

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name Adhesive

Product Code B-203

Intended Use(s) : For professional use only

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

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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.

Precautionary Statements

Prevention:

Use personal protective equipment as required.

Response:

IF exposed or concerned: Get medical advice/
attention.



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Other hazards which do not result in GHS classification:

No data available.

SECTION 3: HAZARDOUS INGREDIENTS

Substances

General information:

INDEX No.:

CAS-No.: 68083-19-2

EC No.:

REACH Registration No.:

Purity:

Synonyms:

Composition information of impurities and stabilizers

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

* 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".
- 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.

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:	Extinguish with foam, carbon dioxide or dry powder.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
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 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.
Methods and material for containment and cleaning up:	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.
Environmental Precautions:	Do not allow to enter drains, sewers or watercourses

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:	No specific precautions. See Section 8 of the SDS for Personal Protective Equipment. For further information, refer to section 10: "Stability and Reactivity".
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.

Eye/face protection: Safety Glasses.

Skin Protection

Hand Protection: Protective gloves are recommended.

Other: No special precautions.

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: Colorless
Odor: Odorless
Odor threshold: No data available.
pH: Not applicable.
Freezing point: No data available.
Boiling Point: No data available.
Flash Point: 518 °F (270 °C) (Closed cup according to method Afnor T 60103.)

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: No data available.



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Relative density:	0.98 (68 °F (20 °C)) Approximate
Solubility(ies)	
Solubility in water:	Insoluble
Solubility (other):	Acetone: Very slightly soluble. 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:	No data available.
Decomposition temperature:	No data available.
Viscosity:	Approximate 10,000 mm ² /s (77 °F (25 °C))
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:	Stable.
Possibility of hazardous reactions:	Will not occur.
Conditions to avoid:	No other information noted.
Incompatible Materials:	Strong oxidizing agents.

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

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: 2,055.56 mg/kg

Dermal Product: No data available.

Inhalation Product: No data available.

Specified substance(s):
Octamethylcyclotetrasiloxane LC 50 (Rat, 4 h): 36 mg/l

Repeated dose toxicity Product: No data available.

Specified substance(s):
Octamethylcyclotetrasiloxane
NOAEL (Rat, Inhalation):
1.820 mg/l
NOAEL (Rabbit, Dermal):
960 mg/kg

Skin Corrosion/Irritation Product: No data available.

Specified substance(s):
Octamethylcyclotetrasiloxane (Rabbit, 24 h): Not irritating

Serious Eye Damage/Eye Irritation Product: No data available.

Specified substance(s):
Octamethylcyclotetrasiloxane (Rabbit, 24 h): Not irritating

Respiratory or Skin Sensitization Product: No data available.

Specified substance(s):
Octamethylcyclotetrasiloxane (Guinea Pig) Not a skin sensitizer.

Carcinogenicity Product: No data available.

Specified substance(s):
Octamethylcyclotetrasiloxane No effects expected.

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.



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Specified substance(s):

Octamethylcyclotetrasiloxane

Bacteria: No mutagenic components identified.

Chromosomal aberration: No mutagenic components identified.

In vitro gene mutations test on mammalian cells: No mutagenic components identified.

In vivo Product:

Specified substance(s):

Octamethylcyclotetrasiloxane

No data available.

(Rat) No effects expected.

Reproductive toxicity Product:

Specified substance(s):

Octamethylcyclotetrasiloxane

No data available.

Suspected of damaging fertility.

Specific Target Organ Toxicity - Single Exposure Product:

No data available.

Specific Target Organ Toxicity - Repeated Exposure Product:

No data available.

Aspiration Hazard Product:

Specified substance(s):

Octamethylcyclotetrasiloxane

No data available.

No effects expected.

Other effects:

No data available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:

Specified substance(s):

Octamethylcyclotetrasiloxane

No data available.

LC 50 (Oncorhynchus mykiss, 96 h): ≥ 0.022 mg/l

Aquatic Invertebrates Product:

Specified substance(s):

Octamethylcyclotetrasiloxane

No data available.

EC 50 (Water flea (Daphnia magna), 48 h): > 0.015 mg/l



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Chronic hazards to the aquatic environment:

Fish Product:

No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane

NOEC (Oncorhynchus mykiss, 93 d): ≥ 0.0044 mg/l

Aquatic Invertebrates Product:

No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane

NOEC (Water flea (Daphnia magna), 21 d): 0.015 mg/l

Toxicity to Aquatic Plants Product:

No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane

EC 50 (Green algae (Selenastrum capricornutum), 96 h): > 0.022 mg/l

Persistence and Degradability

Biodegradation Product:

The product is not readily biodegradable.

BOD/COD Ratio Product:

No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF) Product: The product is not bioaccumulating.

Partition Coefficient n-octanol / water (log Kow) Product:

No data available.

Mobility in soil:

No data available.

Known or predicted distribution to environmental compartments

Octamethylcyclotetrasiloxane

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. Contaminated packages should be as empty as possible



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):

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

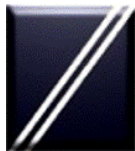
No ingredient regulated by NJ Right-to-Know Law present.

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.



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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.
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

HNIS Hazard ID

Health	1 - Slight
Flammability	1 - Slight
Physical Hazards	0 - Minimal
PERSONAL PROTECTION	B – Safety Glasses and gloves

NFPA Hazard ID

Flammability	1 - Slight
Health	1 - Slight
Reactivity	0 - Minimal
Special Hazard	

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by Factor II to establish safety of use in any medical application. Factor II has tested this material only to determine if the product meets the applicable specification. When considering the use a Factor II product 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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