



## Factor II, Incorporated

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

## Safety Data Sheet

Product Code A-4300

Revision Date: 02/26/2018

### SECTION 1: IDENTIFICATION

#### PRODUCT IDENTIFIER

Product Name        Silicone Adhesive

Product Code        A -4300 / A-RTV-4300

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](http://www.factor2.com)  
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#### EMERGENCY TELEPHONE NUMBERS

928- 368-7502

### SECTION 2: HAZARD(S) IDENTIFICATION

#### Hazard Classification

##### Health Hazards

Skin irritation	Category 2
Serious eye damage	Category 1
Toxic to reproduction	Category 2

#### Label Elements

##### Hazard Symbol:



##### Signal Word:

Danger

##### Hazard Statement:

Causes skin irritation.  
Causes serious eye damage.  
Suspected of damaging fertility.



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### Precautionary Statements

#### Prevention:

Wear protective gloves/protective clothing/eye protection/face protection.

#### Response:

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.  
IF IN EYES: Rinse cautiously with water for several minutes. Get immediate medical advice/attention.  
IF exposed or concerned: Get medical advice/attention.

### Other hazards which do not result in GHS classification:

No data available.

### Substance(s) formed under the conditions of use:

Chemical Identity	CAS-No.	Concentration
Acetic acid	64-19-7	<2%

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

## SECTION 3: HAZARDOUS INGREDIENTS

### Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Methylsilanetriyl triacetate	4253-34-3	3 - 5%
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.

### 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:

Wash contact areas with soap and water. Get medical attention promptly 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 immediately.



**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.

**Additional exposure limits under the conditions of use**

Chemical Identity	Type	Exposure Limit Values	Source
Acetic acid	STEL	15 ppm	US. ACGIH Threshold Limit Values (01 2010)
	TWA	10 ppm	US. ACGIH Threshold Limit Values (01 2010)
	STEL	15 ppm 37 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	REL	10 ppm 25 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	10 ppm 25 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	10 ppm 25 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)

**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:**

Wear tight-fitting goggles or face shield.

**Skin Protection**

**Hand Protection:**

Protective gloves are recommended.

**Other:**

Wear appropriate clothing to prevent any possibility of skin contact.



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### Respiratory Protection:

No protection is ordinarily required under normal conditions of use and with adequate ventilation.

### Hygiene measures:

Provide eyewash station and safety shower. 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:

Paste

Color:

Clear

Odor:

Acetic acid

Odor threshold:

No data available.

pH:

Not applicable.

Freezing point:

< 32 °F (0 °C)

Boiling Point:

No data available.

Flash Point:

> 201 °F (94 °C)

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.

Relative density:

1.08 (77 °F (25 °C))

Solubility(ies)

Solubility in water:

Insoluble in water

Solubility (other):

No data available.

Partition coefficient (n-octanol/water):

No data available.

Auto-ignition temperature:

No data available.

Decomposition temperature:

No data available.

Viscosity:

No data available.

### 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.



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**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.

**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: 2,004.49 mg/kg

**Dermal Product:** No data available.

**Inhalation Product:** No data available.

**Repeated dose toxicity Product:** No data available.

#### Specified substance(s):

Methylsilanetriyl triacetate

NOAEL (Rat(Female, Male), Oral): 50 mg/kg Results obtained on a similar product.

NOAEL (Rat(Female, Male), Inhalation - vapor): 0.56 mg/l

LOAEL (Rat(Female, Male), Inhalation - vapor): 2.2 mg/l Results obtained on a similar product.

#### Specified substance(s):

Octamethylcyclotetrasiloxane

NOAEL (Rat, Inhalation): 1.820 mg/l

NOAEL (Rabbit, Dermal): 960 mg/kg



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**Skin Corrosion/Irritation Product:** No data available.

**Specified substance(s):**

Methylsilanetriyl triacetate

OECD 404 (Rabbit, 4 h): Corrosive.

**Specified substance(s):**

Octamethylcyclotetrasiloxane

(Rabbit, 24 h): Not irritating

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

**Specified substance(s):**

Methylsilanetriyl triacetate

OECD 405 (Rabbit): Corrosive.

**Specified substance(s):**

Octamethylcyclotetrasiloxane

(Rabbit, 24 h): Not irritating

**Respiratory or Skin Sensitization Product:** No data available.

**Specified substance(s):**

Methylsilanetriyl triacetate

OECD 406 (Guinea Pig) Not a skin sensitizer.

**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.

**Specified substance(s):**

Methylsilanetriyl triacetate

Bacteria (OECD 471): No mutagenic effects.

In vitro gene mutations test on mammalian cells: (OECD 476): No mutagenic effects. Results obtained on a similar product.

Chromosomal aberration (OECD 473): No clastogenic effect.



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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:

No data available.

#### Specified substance(s):

Octamethylcyclotetrasiloxane

(Rat) No effects expected.

### Reproductive toxicity Product:

No data available.

#### Specified substance(s):

Octamethylcyclotetrasiloxane

Suspected of damaging fertility.

### Specific Target Organ Toxicity - Single Exposure Product:

No data available.

### Specific Target Organ Toxicity - Repeated Exposure Product:

No data available.

#### Specified substance(s):

Methylsilanetriyl triacetate

Not classified

### Aspiration Hazard Product:

No data available.

#### Specified substance(s):

Octamethylcyclotetrasiloxane

No effects expected.

### Other effects:

No data available.

### Additional toxicological Information under the conditions of use

#### Symptoms related to the physical, chemical and toxicological characteristics under the condition of use

##### Ingestion:

#### Specified substance(s):

Acetic acid

No data available.

##### Inhalation:

#### Specified substance(s):

Acetic acid

No data available.

##### Skin Contact:

#### Specified substance(s):

Acetic acid

No data available.





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### Eye contact:

#### Specified substance(s):

Acetic acid

No data available.

### Additional toxicological Information under the conditions of use:

#### Acute toxicity

#### Oral Specified substance(s):

Acetic acid

LD 50 (Rat): 3,310 mg/kg (Expert judgement.)

#### Dermal Specified substance(s):

Acetic acid

No data available.

#### Inhalation Specified substance(s):

Acetic acid

LC 50 (Rat, 4 h): > 40 mg/l (Expert judgement.)  
Vapor

#### Repeated dose toxicity Specified substance(s):

Acetic acid

NOAEL (Rat, Feed (Oral)): 290 mg/kg

#### Skin Corrosion/Irritation Specified substance(s):

Acetic acid

Corrosive.

#### Serious Eye Damage/Eye Irritation Specified substance(s):

Acetic acid

Corrosive.

#### Respiratory or Skin Sensitization Specified substance(s):

Acetic acid

No data available.

#### Carcinogenicity Specified substance(s):

Acetic acid

No data available.

#### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

##### Specified substance(s):

Acetic acid

#### US. National Toxicology Program (NTP) Report on Carcinogens:

##### Specified substance(s):

Acetic acid

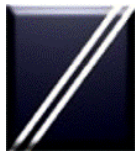
### Germ Cell Mutagenicity

#### In vitro

#### Specified substance(s):

Acetic acid

Bacteria (OECD 471): No mutagenic effects.  
Chromosomal aberration (OECD 473): No  
clastogenic effect.  
(OECD 476) Inconclusive data



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### Germ Cell Mutagenicity

#### In vivo

##### Specified substance(s):

Acetic acid

(According to a standardized method.) Inhalation (Rat, Female, Male) Results obtained on a similar product. No mutagenic effects.

### Reproductive toxicity

##### Specified substance(s):

Acetic acid

No data available.

### Specific Target Organ Toxicity - Single Exposure

##### Specified substance(s):

Acetic acid

No data available.

### Specific Target Organ Toxicity - Repeated Exposure

##### Specified substance(s):

Acetic acid

No data available.

### Aspiration Hazard

##### Specified substance(s):

Acetic acid

No data available.

### Other effects:

##### Specified substance(s):

Acetic acid

Respiratory tract irritation.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity:

#### Acute hazards to the aquatic environment:

##### Fish Product:

No data available.

##### Specified substance(s):

Methylsilanetriyl triacetate

LC 50 (96 h): > 100 mg/l Results obtained on a similar product.

Octamethylcyclotetrasiloxane

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

##### Aquatic Invertebrates Product:

No data available.

##### Specified substance(s):

Methylsilanetriyl triacetate

LC 50 (48 h): > 100 mg/l Results obtained on a similar product.

Octamethylcyclotetrasiloxane

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):  $\geq 0.0044$  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):**

Methylsilanetriyl triacetate

EC 50 (96 h): 660 mg/l Results obtained on a similar product.

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.

**Specified substance(s):**

Methylsilanetriyl triacetate Log Kow: -2.4 (estimated)

**Mobility in soil:** No data available.

**Known or predicted distribution to environmental compartments**

Methylsilanetriyl triacetate No data available.

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.



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### 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:

<b>US TSCA Inventory:</b>	On or in compliance with the inventory.
<b>Canada DSL Inventory List:</b>	On or in compliance with the inventory.
<b>EINECS, ELINCS or NLP:</b>	On or in compliance with the inventory.
<b>Japan (ENCS) List:</b>	On or in compliance with the inventory.
<b>China Inv. Existing Chemical Substances:</b>	On or in compliance with the inventory.
<b>Korea Existing Chemicals Inv. (KECI):</b>	On or in compliance with the inventory.
<b>Australia AICS:</b>	On or in compliance with the inventory.
<b>Philippines PICCS:</b>	On or in compliance with the inventory.
<b>New Zealand Inventory of Chemicals:</b>	On or in compliance with the inventory.

## SECTION 16: OTHER INFORMATION

### HNIS Hazard ID

<b>Health</b>	<b>2 - Moderate</b>
<b>Flammability</b>	<b>1 - Slight</b>
<b>Physical Hazards</b>	<b>0 - Minimal</b>
<b>PERSOANL PROTECTION</b>	<b>D – Face Shield, Gloves &amp; Apron</b>

### NFPA Hazard ID

<b>Flammability</b>	<b>1 - Slight</b>
<b>Health</b>	<b>1 - Slight</b>
<b>Reactivity</b>	<b>0 - Minimal</b>
<b>Special Hazard</b>	

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