



Factor II, Incorporated

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

Safety Data Sheet

Product Code A-564

Revision Date: 8/20/2018

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name Acetoxy

Product Code A-564

Intended Use(s) : For professional use only

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

Factor II, Incorporated
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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.

SECTION 3: HAZARDOUS INGREDIENTS

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Methylsilanetriyl triacetate	4253-34-3	1 - <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. Immediately call a POISON CENTER/doctor.

Inhalation:

Move into fresh air and keep at rest. Get medical attention if symptoms occur.

Skin Contact:

Wash contact areas with soap and water. If skin irritation or an allergic skin reaction develops, get medical attention.

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.



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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:	Water spray, foam, dry powder or carbon dioxide.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the chemical:	Hazardous Decomposition Products: oxides of carbon and tin.
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:	Avoid forming spray/aerosol mists. Provide adequate ventilation if fumes or vapors are generated. See Section 8 of the SDS for Personal Protective Equipment. For further information, refer to section 10: "Stability and Reactivity".
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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 No exposure limits noted for the ingredient(s).

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 goggles/face shield.

Skin Protection

Hand Protection: Protective gloves are recommended.

Other: Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory Protection: If ventilation is insufficient, suitable respiratory protection must be provided.

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: Viscous
Color: Colorless

Odor: Acetic acid
Odor threshold: No data available.

pH: Not applicable

Freezing point: < 32 °F (0 °C)

Boiling Point: No data available.

Flash Point: > 212 °F (100 °C)

Evaporation rate: No data available.

Flammability (solid, gas): No data available.



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Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Density:	No data available.
Solubility(ies)	Approximate 1.08 kg/dm ³ (68 °F (20 °C))
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:	No data available.
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:	None known.
Incompatible Materials:	Strong oxidizers, strong acids, and strong bases.
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate oxides of carbon and tin.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion:	No data available.
Inhalation:	No data available.



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Skin Contact: Causes skin irritation.
Eye contact: Causes serious eye damage.

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: No data available.

Specified substance(s):

Methylsilanetriyl triacetate LD 50 (Rat): 1,600 mg/kg
Octamethylcyclotetrasiloxane LD 50 (Rat): 4,800 mg/kg

Dermal Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane LD 50 (Rat): 2,375 mg/kg

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):

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

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



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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.
CarcinogenicityProduct:	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.
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.



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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.

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

Chronic hazards to the aquatic environment:

Fish Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane NOEC (Oncorhynchus mykiss, 93 d): >= 0.0044 mg/l



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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: No data available.
Specified substance(s):
Methylsilanetriyl triacetate 74 % (21 d, According to a standardised method.)
Readily biodegradable
Results obtained on a similar product.
Octamethylcyclotetrasiloxane 3.7 % (29 d) The product is not considered to be readily biodegradable.

BOD/COD Ratio Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF) Product: No data available.
Specified substance(s):
Octamethylcyclotetrasiloxane Fathead Minnow, Bioconcentration Factor (BCF): 12,400

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.



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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:

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.
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

* - Chronic health effect

2 - Moderate

Flammability

1 - Slight

Physical Hazards

0 - Minimal

PERSONAL PROTECTION

Face shield, gloves, and an apron

NFPA Hazard ID

Flammability

1 - Slight

Health

1 - Slight

Reactivity

0 - Minimal

Special Hazard



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