



Factor II, Incorporated

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

Safety Data Sheet

Product Code A-244; A-245; A-246

Revision Date: 2/12/2019

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name Silicone fluid

Product Code A-244; A-245; A-246

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
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EMERGENCY TELEPHONE NUMBERS

928- 368-7502

SECTION 2: HAZARD(S) IDENTIFICATION

Hazard Classification

Physical Hazards

Flammable liquids

Category 3

Health Hazards

Toxic to reproduction

Category 2

Environmental Hazards

Chronic hazards to the aquatic environment

Category 4

Label Elements

Hazard Symbol



Signal Word

Warning

Hazard Statement

Flammable liquid and vapor.
Suspected of damaging fertility.



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May cause long lasting harmful effects to aquatic life.

Precautionary Statements

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. Ground and bond container and receiving equipment. Use non-sparking tools. Take action to prevent static discharges. Use personal protective equipment as required. Avoid release to the environment.

Response

IF exposed or concerned: Get medical advice/attention. Collect spillage.

Storage

Store in a well-ventilated place. Keep container tightly closed.

Disposal

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification

No data available.

SECTION 3: HAZARDOUS INGREDIENTS

Substances

General information

INDEX No.:	-
CAS-No.:	556-67-2
EC No.:	-
REACH Registration No.:	01-2119529238-36-XXXX
Purity:	100%
Synonyms:	

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.



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Inhalation	Move into fresh air and keep at rest. Get medical attention if symptoms occur.
Skin Contact	Wash 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

Flammable liquid. Exposure to fire can generate toxic fumes.

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.



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Methods and material for containment and cleaning up

In case of leakage, eliminate all ignition sources. Use non-sparking tools. 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. Spills may be reportable to the National Response Center (800-424-8802). and to state and/or local agencies.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid breathing vapor from heated material. 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. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. For further information, refer to section 10: "Stability and Reactivity".

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Octamethylcyclotetrasiloxane	TWA	10 ppm	US. OARS. WEELs Workplace Environmental Exposure Level Guide

Appropriate Engineering Controls

Use explosion-proof ventilation equipment to stay below exposure limits.

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 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 Mobile
Color Colorless

Odor Odorless
Odor threshold No data available.

pH Not applicable

Freezing point 63.5 °F (17.5 °C)

Boiling Point: 347 °F (175 °C)

Flash Point 135 °F (57 °C) (Closed cup according to method Afnor T 60103.)

Evaporation rate No data available.

Flammability (solid, gas) No data available.

Flammability limit - upper (%) 11.7 %(V)

Flammability limit - lower (%) 0.4 %(V)

Vapor pressure 1.2 hPa (68 °F (20 °C)) 8 hPa (122 °F (50 °C))

Vapor density 10.2

Density Approximate 0.95 kg/dm³ (68 °F (20 °C))

Solubility(ies)

Solubility in water < 0.0001 g/l (68 °F (20 °C)) Slightly Soluble

Solubility (other) Common organic solvents.: Miscible (in all proportions).

Partition coefficient (n-octanol/water) 6.49 Log P

Auto-ignition temperature 788 °F (420 °C)

Decomposition temperature > 482 °F (250 °C)

Viscosity Approximate 2.3 mm²/s (77 °F (25 °C))

Other information

Explosive properties Not classified (estimated)

Oxidizing properties According to the data on the components Not considered as oxidizing.



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 oxidizing agents.
Hazardous Decomposition Products	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:	No data available.
Dermal Product:	ATEmix: 2,408.72 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):

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):	
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.
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.



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

Aquatic Invertebrates Product:	No data available.
Specified substance(s):	
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

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:	No data available.
Specified substance(s):	
Octamethylcyclotetrasiloxane	3.7 % (29 d) The product is not considered to be readily biodegradable.

BOD/COD Ratio Product:	No data available.
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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:

Log Kow: 6.49 25 °C Log P

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.

RCRA Information

Waste code: EPA RCRA HAZARDOUS WASTE CODE: D001

SECTION 14: TRANSPORT INFORMATION

DOT

UN Number: UN 1993
UN Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.
Transport Hazard Class(es)
Class: 3
Label(s): 3
Packing Group: III
Marine Pollutant: Not a Marine Pollutant
Special precautions for user: -

IMDG

UN Number: UN 1993
UN Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.
Transport Hazard Class(es)
Class: 3
Label(s): 3
EmS No.: F-E, S-E



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Packing Group:	III
Marine Pollutant:	Not a Marine Pollutant
Limited quantity	
Excepted quantity	
Special precautions for user:	—

IATA

UN Number:	UN 1993
Proper Shipping Name:	FLAMMABLE LIQUID, N.O.S.
Transport Hazard Class(es):	
Class:	3
Label(s):	3
Marine Pollutant:	No other information noted.
Packing Group:	III
Limited quantity	
Excepted quantity	
Special precautions for user:	—
Other information	
Passenger and cargo aircraft:	Allowed.
Cargo aircraft only:	Allowed.

Environmental hazards: Not a Marine Pollutant

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)

Chemical Identity

Octamethylcyclotetrasiloxane

Reportable quantity

De minimis concentration: TSCA 4% One-Time Export Notification only.

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.



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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.

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.
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.
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.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory.



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SECTION 16: OTHER INFORMATION

HMIS Hazard ID

Health

* - Chronic health effect

1 - Slight

Flammability

2 - Moderate

Physical Hazards

0 - Minimal

PERSONAL PROTECTION

B – Safety Glasses and gloves

NFPA Hazard ID

Flammability

2 - Moderate

Health

1 - Slight

Reactivity

0 - Minimal

Special Hazard

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distributor of this product not the manufacture. Factor II will warrant this product 6-months from the ship date, some restrictions apply.