



SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name : Silicone Fluid 2.5 CPS

Product Code : A-244

Intended Use(s) : Light Silicone Solvent / Low Viscosity Silicone F

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

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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.
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 precautionary measures against static discharge. Use personal protective equipment as required. Avoid release to the environment.

Response: IF exposed or concerned: Get medical advice/attention. Fight fire with normal precautions from a reasonable distance. Collect spillage.

Storage: Store in 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: COMPOSITION / INFORMATION ON INGREDIENTS

Substances

General information:

INDEX No.: -
CAS-No.: 556-67-2
EC No.: -
REACH Registration No.: 01-2119529238-36-0002
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.
- Inhalation:** Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
- Skin Contact:** Wash skin thoroughly 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 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:

Combustible 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 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 SDS for Personal Protective Equipment.

Methods and material for containment and cleaning up:

Eliminate all ignition sources if safe to do so. Use only 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
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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

INGREDIENTS WITH WORKPLACE CONTROL PARAMETERS

Ingredients	Type	Exposure Limit Values	Source
Octamethylcyclotetrasiloxane - Vapor.	AN ESL	100 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2009)
Octamethylcyclotetrasiloxane - Particulate.	AN ESL	5 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2009)
Octamethylcyclotetrasiloxane - Vapor.	ST ESL	1,000 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2009)
Octamethylcyclotetrasiloxane - Particulate.	ST ESL	50 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2009)

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 approved chemical 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. If ventilation is insufficient, suitable respiratory protection must be provided.

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

9.1 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
Relative density:	0.95 (68 °F (20 °C)) Approximate
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):	No data available.
Auto-ignition temperature:	788 °F (420 °C)
Decomposition temperature:	> 482 °F (250 °C)
Viscosity:	Approximate 2.3 mm ² /s (77 °F (25 °C))
Other information	
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 oxidizers, strong acids, and strong bases.



Hazardous Decomposition

Products: Thermal decomposition or combustion may liberate carbon oxides, other toxic gases or vapors and amorphous silica.
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: 4,868.15 mg/kg
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, 24 months): 1.820 mg/l
NOAEL (Rabbit, Dermal, 3 weeks): 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 (Pig)Not a skin sensitizer.

Carcinogenicity

Product: No data available.

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 vivo

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane (Rat)No mutagenic components identified.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

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): 0.0079 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)

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.

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. Disposal of unused product may be subject to RCRA regulations (40 CFR 261). Disposal of the used product may also be regulated due to ignitability.

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
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.

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.

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.



SECTION 16: OTHER INFORMATION

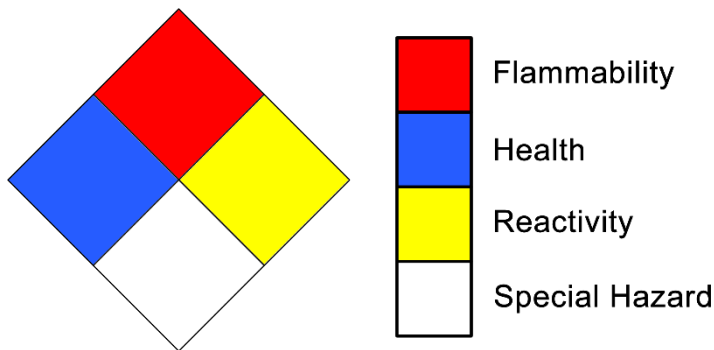
HMIS Hazard ID

HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

B – Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

DISCLAIMER / STATEMENT OF LIABILITY:

Factor II, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology and/or fire prevention as necessary or appropriate to the use and understanding of the data contained in this SDS. To promote safe handling each customer or recipient should 1) notify and furnish its employees, agents,



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contractors, customers and/or others whom it knows or believes will use this material of the information regarding hazards or safety, and 2) request its customers to notify their employees, customers and other users of the product of this information.