



Factor II, Incorporated

P.O. Box 1339
Lakeside, AZ 85929

Phone: (928) 537-8387
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MATERIAL SAFETY DATA SHEET A-310-1 200 Fluid 1000cs

IN CASE OF EMERGENCY 928-537-8387 Factor II, Inc.

Factor II Technology urges each customer or recipient of this MSDS 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 fire prevention, as necessary or appropriate to the use and understanding of the data contained in this MSDS.

To promote safe handling each customer or recipient should: (1) notify and furnish its employees, agents, contractors, customers, and others whom it knows or believes will use this material of the information regarding hazards or safety; (2) request its customers to notify their employees, customers and other users of the product of this information.

1. CHEMICAL PRODUCT

PRODUCT NAME: A-310)
CHEMICAL NAME: Polydimethylsiloxane
CHEMICAL FAMILY: Silicone
FORMULA: Proprietary

2. HAZARDOUS INGREDIENTS

%	MATERIAL	CAS#	EXPOSURE VALUE	CLASSIFICATION
100	Poly(dimethyl)siloxane	63148629	See Section 8	See Section 15

3. HAZARDS IDENTIFICATION

WARNING STATEMENT:

This product, as sold, does not meet the regulatory definition of a hazardous material. This product contains dimethylpolysiloxane which can generate formaldehyde as a byproduct of oxidative thermal decomposition beginning at approximately 150°C 300°F. Exposure to formaldehyde can cause adverse effects such as skin and respiratory sensitization and eye and throat irritation. Formaldehyde is a potential cancer hazard. Evaluate and control exposure to formaldehyde when warranted by conditions of use.

SWALLOWING:

Low acute oral toxicity.

SKIN ABSORPTION:

No evidence of adverse effects from available information.

INHALATION:



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Not likely

SKIN CONTACT:

Non irritating.

EYE CONTACT:

May cause redness and irritation.

CHRONIC EFFECTS:

This product does not contain any ingredient designated by IARC, NYP, ACGIH, or OSHA as probable or suspected human carcinogen.

OTHER EFFECTS OF OVEREXPOSURE

None currently known.

4. FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

SWALLOWING:

If large quantity has been swallowed, and if patient is fully conscious, give two glasses of water. Obtain medical attention.

SKIN:

Wash with soap and water. Seek medical attention if irritation develops or persists.

INHALATION:

Inhalation is not an expected route of exposure. If symptoms should develop. Remove to fresh air. Obtain Medical attention if symptoms persist.

EYES:

Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention if discomfort persist.

NOTES TO PHYSICIAN:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

FLASH POINT (test method(s): 570°F (Tag Closed Cup)

FLAMMABLE LIMITS IN AIR (by volume):

LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA:

Dry chemical, foam, and carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES:

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Cool



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containers exposed to fire with water/

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Product will burn under fire conditions.

HAZARDOUS DECOMPOSITION MATERIALS (Under fire conditions)
Formaldehyde, Oxides of Carbon, Silica (crystalline).

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Do not flush to drain. Clean up residual material with an appropriate solvent like paint thinner or mineral spirits (provided there is good ventilation and no source of ignition).

WASTE DISPOSAL METHOD: Dispose of in accordance with all Federal, State, and local regulations.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Normal precautions common to safe manufacturing practice should be followed in handling and storage. Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes.

Keep container closed, in a cool dry place

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE VALUES AND SOURCE: None.

RESPIRATORY PROTECTION:

Use NIOSH approved respirator or self-contained breathing apparatus as needed to maintain personnel exposure below established Occupational Exposure Values..

VENTILATION: General (mechanical) room ventilation with local ventilation as needed to maintain exposure below established Occupational Exposure Values.

9. PHYSICAL AND CHEMICAL PROPERTIES (based on typical material)

BOILING POINT: N/A

SPECIFIC GRAVITY (H₂O=1): 0.96

FREEZING POINT: -85°F

VAPOR PRESSURE, <0.01 mm Hg @ 392°F:

VAPOR DENSITY (air=1): N/A

EVAPORATION RATE (Butyl Acetate=1): N/A

SOLUBILITY IN WATER (By wt): Insoluble

ODOR: Odorless

PHYSICAL STATE: clear viscous liquid

Note: The above information is not intended for use in preparing product specifications.

10. STABILITY AND REACTIVITY DATA



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STABILITY: Stable.

CONDITIONS TO AVOID: Avoid contact with elevated temperatures, open flame and other ignition sources.

MATERIAL/CHEMICAL TO BE AVOIDED:

Strong bases, Acids, and Oxidizing agents

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Thermal

Dimethylcyclosiloxanes

Methylphenylcyclosiloxanes

Oxidative/Thermal

Formaldehyde

Traces of formaldehyde may be generated due to oxidative thermal decomposition at temperatures greater than 150°C (300°F). Exposure to formaldehyde can cause adverse effects such as skin and respiratory sensitization and eye and throat irritation. Formaldehyde is a potential carcinogen. Evaluate and control exposure to formaldehyde when warranted by conditions of use.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

COMPONENT:

Acute Oral LD ₅₀ (mg/kg):	500-5000 (Rat) No deaths observed.
Acute Dermal LD ₅₀ (mg/kg):	1000-2000 (Rbt.) Non irritating (Data for similar product)
Acute Inhalation LC ₅₀ (mg/l):	No data found
Other:	N/A.
Ames Test:	N/A.

Refer to Section 3 for further discussion of the health hazards associated with this preparation.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Complete information not yet available.

CHEMICAL FATE INFORMATION: Complete information not yet available.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all Federal, State, and local regulations.

14. TRANSPORT INFORMATION

I.A.T.A. HAZARD CLASSIFICATION:

Proper Shipping Name: Not regulated

15. REGULATORY INFORMATION



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STATUS ON SUBSTANCE LISTS:

The concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulations.

Inventory Status	United States (TSCA)	Y
	Canada (DSL)	Y
	Eruope (EINECS/ELINCS)	P
	Austrailia (AICS)	Y
	Japan (MITI)	Y
	South Korea (KECL)	Y

16. OTHER INFORMATION

HMIS FORMAT:

Health: I

Flammability: 1

Reactivity: 0

We believe that the information contained herein is current as of the date of this Material Safety Data Sheet, and is offered in good faith. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of Factor II Technology, it is the user's obligation to determine the conditions of safe use of the product.
Factor II Technology Regulatory Compliance Department