



# Material Safety Data Sheet

Ecoflex Series

MSDS No. 844

Date Of Preparation: February 7, 2007

Revision: 0002

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Ecoflex Series Part A

**General Use:** Silicone Elastomer

**Manufacturer:** Smooth-On Inc., 2000 St. John St., Easton PA 18042

Phone (610) 252-5800, FAX (610) 252-6200

**Emergency Contact:** Chem-Tel

Domestic 800-255-3924

International 813-248-0585

## Section 2 - Composition / Information on Ingredients

Component	CAS Number	ACGIH TWA	Exposure Limits OSHA PEL	Weight Percent (%)
Polyorganosiloxanes	Mixed	Not Established	Not Established	<b>75-85</b>
Silica, Amorphous	112926-00-8	10 mg/m <sup>3</sup> (as dust)	20 mg/m <sup>3</sup> (as dust)	<b>20-25</b>
Platinum-Siloxane Complex	73018-55-0	Not Established	Not Established	<b>0.1</b>

## Section 3 - Hazards Identification

### Potential Health Effects

HMIS	
H	2
F	1
R	1

**Primary Entry Routes:** Dermal

**Acute Effects Inhalation:** This is a viscous fluid that does not easily form a mist or vapor and, therefore, inhalation hazards are minimal.

**Eye:** Similar silicone fluids are non-irritating to eyes. A slight transient irritation is possible.

**Skin:** Similar silicone fluids are non-irritating to intact and abraded skin.

**Ingestion:** Animal tests for similar silicone fluids suggest very low acute oral toxicity.

**Carcinogenicity:** IARC, NTP, and OSHA **do not list** any components of this product as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** No Data Found

## Section 4 - First Aid Measures

**Inhalation:** Remove source(s) of contamination and move victim to fresh air. Contact physician immediately.

**Eye Contact:** Flush eyes with plenty of water. If irritation persists, seek medical attention.

**Skin Contact:** In case of skin contact, wash thoroughly with soap and water; remove contaminated clothing and launder before reuse; seek medical attention if rash develops.

**Ingestion:** Do not induce vomiting unless instructed by a physician. Contact physician immediately

After first aid, get appropriate in-plant, paramedic, or community medical support.

### Section 5 - Fire-Fighting Measures

**Flash Point:** >300 °F

**Flash Point Method:** PMCC

**LEL:** Not Established

**UEL:** Not Established

**Flammability Classification:** Non-Flammable

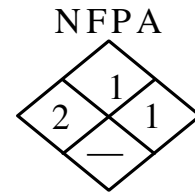
**Extinguishing Media:** Dry Chemical, Carbon Dioxide, and Foam

**Unusual Fire or Explosion Hazards:** None

**Fire-Fighting Instructions:** Fire fighters should wear self-contained breathing apparatus.

Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.



### Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** Dike and contain spill; absorb or scrape up excess into suitable container for disposal. Stop or reduce discharge if it can be done safely.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

### Section 7 - Handling and Storage

**Handling Precautions:** Minimize breathing of vapors and avoid prolonged or repeated contact with skin. Wear proper protective equipment. Use good general housekeeping procedures.

**Storage Requirements:** Store in cool dry, well-ventilated area.

### Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:**

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Administrative Controls:**

**Protective Clothing/Equipment:** Wear chemically protective gloves. Wear protective eyeglasses per OSHA eye and face protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics

### Section 9 - Physical and Chemical Properties

<b>Physical State:</b> Viscous Liquid	<b>Water Solubility:</b> Insoluble
<b>Appearance :</b> Off White viscous liquid	<b>Boiling Point:</b> None (Polymeric Resin)
<b>Odor :</b> Sweet odor	<b>% Volatile:</b> Nil
<b>Vapor Pressure:</b> None (Polymeric Resin)	<b>Freezing/Melting Point:</b> None (Polymeric Resin)
<b>Vapor Density (Air=1):</b> >1	<b>Viscosity:</b> 100 poise
<b>Specific Gravity (H<sub>2</sub>O=1, at 4 °C):</b> 1.07	<b>Evaporation Rate:</b> Not Applicable

### Section 10 - Stability and Reactivity

**Stability:** This product is stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization can not occur.

**Chemical Incompatibilities:** Strong bases, and acids.

**Hazardous Decomposition Products:** Silica, carbon monoxide and carbon dioxide

### Section 11- Toxicological Information

<b>Eye Effects:</b> Irritation	<b>Carcinogenicity:</b> None Determined
<b>Skin Effects:</b> Irritation	<b>Mutagenicity:</b> None Determined
	<b>Teratogenicity:</b> None Determined

### Section 12 - Ecological Information

None Established

### Section 13 - Disposal Considerations

**Disposal:** Must be disposed of in accordance with applicable Federal, state and local regulations.

### Section 14 - Transport Information

<b>DOT</b>	<b>IATA</b>	<b>IMDG</b>
Not Regulated	Not Regulated	Not Regulated

### Section 15 - Regulatory Information

**EPA Regulations:**

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

CERCLA Hazardous Substance (40 CFR 302.4) listed specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112: None

SARA Toxic Chemical (40 CFR 372.65): None

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): None

### Section 15 - Regulatory Information (continued)

This product does not contain chemicals that are subject to release reporting requirements under **section 313 of SARA Title III**.

**TSCA Inventory Status (40 CFR710):** All components of this formulation are listed in the TSCA Inventory.

#### State Regulations:

California Proposition 65: This product **does not** contain any chemical, which has been identified by the state of California to cause cancer, birth defects or other reproductive harm.

#### Massachusetts and Washington Right To Know, Substance List:

<u>Chemical Name</u>	<u>CAS #</u>	<u>% by Weight</u>
Silica, Amphorus	112926-00-8	25 Max.

### Section 16 - Other Information

**Prepared By:** Dominick J. Finocchio

**Title:** Technical Director

**Disclaimer:** The information contained in this MSDS is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of Smooth-On Inc., it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use.



# Material Safety Data Sheet

Ecoflex Series

MSDS No. 844

Date Of Preparation: February 7, 2007

Revision: 0002

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**Product/Chemical Name:** Ecoflex Series Part B

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Phone (610) 252-5800, FAX (610) 252-6200

**Emergency Contact:** Chem-Tel

Domestic 800-255-3924

International 813-248-0585

## Section 2 - Composition / Information on Ingredients

Component	CAS Number	ACGIH TWA	Exposure Limits OSHA PEL	Weight Percent (%)
Polyorganosiloxanes	Mixed	Not Established	Not Established	<b>65-70</b>
Silica, Amorphous	112926-00-8	10 mg/m <sup>3</sup> (as dust)	20 mg/m <sup>3</sup> (as dust)	<b>20-25</b>

## Section 3 - Hazards Identification

### Potential Health Effects

HMIS	
H	1
F	1
R	1

**Primary Entry Routes:** Dermal

**Acute Effects Inhalation:** This is a viscous fluid that does not easily form a mist or vapor and, therefore, inhalation hazards are minimal.

**Eye:** Similar silicone fluids are non-irritating to eyes. A slight transient irritation is possible.

**Skin:** Similar silicone fluids are non-irritating to intact and abraded skin.

**Ingestion:** Animal tests for similar silicone fluids suggest very low acute oral toxicity.

**Carcinogenicity:** IARC, NTP, and OSHA do not list any components of this product as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** No Data Found

## Section 4 - First Aid Measures

**Inhalation:** Remove source(s) of contamination and move victim to fresh air. Contact physician immediately.

**Eye Contact:** Flush eyes with plenty of water. If irritation persists, seek medical attention.

**Skin Contact:** In case of skin contact, wash thoroughly with soap and water; remove contaminated clothing and launder before reuse; seek medical attention if rash develops.

**Ingestion:** Do not induce vomiting unless instructed by a physician. Contact physician immediately

After first aid, get appropriate in-plant, paramedic, or community medical support.

### Section 5 - Fire-Fighting Measures

**Flash Point:** >300 °F

**Flash Point Method:** PMCC

**LEL:** Not Established

**UEL:** Not Established

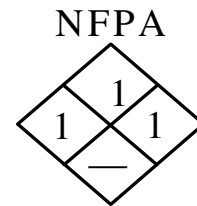
**Flammability Classification:** Non-Flammable

**Extinguishing Media:** Dry Chemical, Carbon Dioxide, and Foam

**Unusual Fire or Explosion Hazards:** None

**Fire-Fighting Instructions:** Fire fighters should wear self-contained breathing apparatus. Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.



### Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** Dike and contain spill; absorb or scrape up excess into suitable container for disposal. Stop or reduce discharge if it can be done safely.

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### Section 7 - Handling and Storage

**Handling Precautions:** Minimize breathing of vapors and avoid prolonged or repeated contact with skin. Wear proper protective equipment. Use good general housekeeping procedures.

**Storage Requirements:** Store in cool dry, well-ventilated area.

### Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:**

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Administrative Controls:**

**Protective Clothing/Equipment:** Wear chemically protective gloves. Wear protective eyeglasses per OSHA eye and face protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

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<b>Odor :</b> Sweet odor	<b>% Volatile:</b> Nil
<b>Vapor Pressure:</b> None (Polymeric Resin)	<b>Freezing/Melting Point:</b> None (Polymeric Resin)
<b>Vapor Density (Air=1):</b> >1	<b>Viscosity:</b> 100 poise
<b>Specific Gravity (H<sub>2</sub>O=1, at 4 °C):</b> 1.07	<b>Evaporation Rate:</b> Not Applicable

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**Disposal:** Must be disposed of in accordance with applicable Federal, state and local regulations.

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**Title:** Technical Director

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