



# Material Safety Data Sheet

Mold Max Series

MSDS No. 814

Date Of Preparation: November 5, 2009

Revision: 0005

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Mold Max 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	65-70
Silica, Amorphous	112926-00-8	10 mg/m <sup>3</sup> (as dust)	80 mg/m <sup>3</sup> (as dust)	20-25
Silica, Crystalline	14808-60-7	0.1 mg/m <sup>3</sup> (as dust)	10 mg/m <sup>3</sup> (as dust)	5-10

## 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 lists Crystalline Silica 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

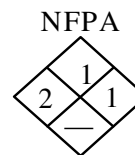
**Flammability Classification:** Non-Flammable

**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 facepiece 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> Mild 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> 600 poise
<b>Specific Gravity (H<sub>2</sub>O=1, at 4 °C):</b> 1.2	<b>Evaporation Rate:</b> Not Applicable

### Section 10 - Stability and Reactivity

**Stability:** These products are 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>
<b>Not Regulated</b>	<b>Not Regulated</b>	<b>Not Regulated</b>

### 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

SARA Toxic Chemical (40 CFR 372.65): None

**Section 15 - Regulatory Information (continued)**

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

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: These products do not intentionally contain any chemicals, which have been identified by the state of California to cause cancer, birth defects or other reproductive harm.

**Section 16 - Other Information**

**Prepared By:** Dominick J. Finocchio

**Title:** Safety 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

Mold Max Series

MSDS No. 814

Date Of Preparation: November 5, 2009

Revision: 0005

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Mold Max Series Part B

**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	Exposure Limits ACGIH PEL	Exposure Limits OSHA PEL	Weight Percent (%)
Polyorganosiloxanes	63148-62-9	None Established	None Established	70-75
Organotin compound	68928-76-7	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	2-5
Proprietary Silanes	Mixture	None Established	None Established	20-25

## Section 3 - Hazards Identification

### Potential Health Effects

HMIS	
H	2
F	1
R	1

**Primary Entry Routes:** Inhalation and Dermal

**Acute Effects Inhalation:** This product has not been tested. However, inhalation studies of ethyl silicate in a rat gave a LCLo of 1000ppm/4h and in a guinea pig a LCLo of 700 ppm/6h.

**Eye:** May cause irritation, redness, tearing, and blur vision. Prolonged vapor contact may cause conjunctivitis.

**Skin:** Contact may cause irritation, reddening, and possible rash.

**Ingestion:** This product has not been tested but should be considered **Toxic By Mouth** based on the organotin compound's acute oral/rat LD50: 175 mg/Kg.

**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 Available

## Section 4 - First Aid Measures

**Inhalation** Remove source(s) of contamination and move victim to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. 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:** >148°F (64.4°C)      **LEL:** Not Established      **UEL:** Not Established

**Flash Point Method:** PMCC

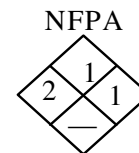
**Flammability Classification:** Combustible Liquid

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

**Unusual Fire or Explosion Hazards:** On combustion, silica, tin oxide and carbon dioxide are emitted.

**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 facepiece operated in pressure-demand or positive-pressure mode.



### Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** Evacuate area. Eliminate all sources of ignition. Put on appropriate protective gear including NIOSH/MSHA approved self-contained breathing apparatus, rubber boots and heavy rubber gloves. Absorb on vermiculite Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

**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. If ventilation is not sufficient, wear proper respiratory equipment. Reseal partial containers. 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:**

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

### Section 8 - Exposure Controls / Personal Protection (continued)

**Protective Clothing/Equipment:** Wear chemically protective gloves, boots, and aprons to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, 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

**Physical State:**

**Appearance :** Colored liquid

**Odor :** Sweet odor

**Vapor Pressure:** Not Available

**Vapor Density (Air=1):** Not Applicable

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 1.0

**Water Solubility:** Insoluble

**Boiling Point:** .>412°F (>211 °C)

**% Volatile:** Not Available

**Freezing/Melting Point:** Not Applicable

**Evaporation Rate:** Not Applicable

### Section 10 - Stability and Reactivity

**Stability:** These products are stable at room temperature in closed containers under normal storage and handling conditions.

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

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

**Hazardous Decomposition Products:** Silica, tin oxide carbon monoxide and carbon dioxide.

### Section 11- Toxicological Information

**Eye Effects:** Irritation

**Skin Effects:** Irritation

**Carcinogenicity:** None Determined

**Mutagenicity:** None Determined

**Teratogenicity:** 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

**DOT**

**IATA**

**IMDG**

**Not Regulated**

**Not Regulated**

**Not Regulated**

**Section 15 - Regulatory Information****EPA Regulations:**

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SARA Toxic Chemical (40 CFR 372.65): None

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

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: These products do not intentionally contain any chemicals, which have been identified by the state of California to cause cancer, birth defects or other reproductive harm.

**Section 16 - Other Information**

**Prepared By:** Dominick J. Finocchio

**Title:** Safety Director

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