DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

SYLGARD(R) 184 SILICONE ELASTOMER

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Dow Corning Corporation
South Saginaw Road
Midland, Michigan 48646

24 Hour Emergency Telephone: (517) 496-5900
Customer Service: (517) 496-6000
Product Disposal Information: (517) 496-6315
Transportation Information: (517) 496-8577
CHEMTREC: (800) 424-9300

MSDS No: 2680068
Current Version: 10/15/96

Generic Description: Silicone
Physical Form: Liquid
Color: Colorless
Odor: Some odor
NFPA Profile: Health 1 Flammability 1 Reactivity 0

Note: NFPA = National Fire Protection Association

SECTION 2. OSHA HAZARDOUS COMPONENTS

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Wt%</th>
<th>Component</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>068988896</td>
<td>34</td>
<td>Dimethylvinylated and trimethylated silica</td>
<td>Dow Corning guide: 5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>mg/m3 Ceiling (as dust)</td>
</tr>
</tbody>
</table>

Comments: The above components are hazardous as defined in 29 CFR 1910.1200.

SECTION 3. EFFECTS OF OVEREXPOSURE

Acute Effects

Eye: Direct eye contact may cause temporary discomfort with mild redness and dryness similar to windburn.

Skin: A single prolonged exposure (24 to 48 hours) causes no known adverse effect.
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Inhalation: No irritation to eyes and respiratory passages. No injury is likely from relatively short exposures of less than 8 hours.

Oral: Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may cause digestive discomfort.

Repeated Exposure Effects

Skin: None Known.

Inhalation: None Known.

Oral: None Known.

Special Hazards

This material contains the following components with the special hazards listed below.

Carcinogens

None Known

Teratogens

None Known

Mutagens

None Known

Reproductive Toxins

None Known

Sensitizers

None Known

Comments: Please read the additional information below.
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The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions component data and/or expert review of the product.

SECTION 4. FIRST AID MEASURES

Eye: Immediately flush with water.

Skin: No first aid should be needed.

Inhalation: No first aid should be needed.

Oral: No first aid should be needed.

Comments: Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point (Closed Cup): 249.98 DEGREE F / 121.10 DEGREE C

Autoignition Temperature: Not Determined

Flammability Limits in Air: Not Determined

Extinguishing Media: Water spray. Carbon dioxide (CO2). Dry chemical. Foam. Water can be used to cool fire exposed containers.

Fire Fighting Procedures: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan.

Unusual Fire Hazards: None

Hazardous Decomposition Products:

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides and...
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traces of incompletely burned carbon compounds. Silicon dioxide.

- Formaldehyde.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

- Containment/Clean-up: Disposal of collected product, residues, and cleanup materials may be governmentally regulated. Observe all applicable local, state, and federal waste management regulations. Mop up, or wipe up, or soak up with absorbent and contain for salvage or disposal. Clean any remaining slippery surfaces by appropriate techniques, such as: several moppings or swabbings with appropriate solvents; washing with mild, caustic detergents or solutions; or high pressure steam for large areas. For nonsilicones, use typical industrial cleaning materials. Observe any safety precautions applicable to the cleaning material being used. Observe all personal protection equipment recommendations described in Sections 5 and 8. Local, state, and federal reporting requirements may apply to spills or releases of this material into the environment. See applicable regulatory compliance information in Section 15.

- NOTE: See Section 8 for Personal Protective Equipment for Spills

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SECTION 7. HANDLING AND STORAGE

- Handling: No special precautions.

- Storage: No special precautions. Use reasonable care.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls

- Local exhaust: None should be needed
SYLGARD(R) 184 SILICONE ELASTOMER

General Ventilation: Recommended

Personal Protective Equipment For Routine Handling

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Washing at mealtime and end of shift is adequate.

Suitable Gloves: No special protection needed.

Inhalation: No respiratory protection should be needed.

Suitable Respirator: None should be needed.

Personal Protective Equipment For Spills

Eye: Use proper protection - safety glasses as a minimum.

Skin: Washing at mealtime and end of shift is adequate.

Inhalation/

Suitable Respirator: No respiratory protection should be needed.

Precautionary Measures: Avoid eye contact. Use reasonable care.

Comments: None

Note: These precautions are for room temperature handling. Use at elevated temperature, or aerosol/spray applications, may require added precautions.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical form: Liquid
Color: Colorless
Odor: Some odor
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Specific Gravity @ 25C: 1.05
Viscosity: 5000.00 CST
Freezing/Melting Point: Not Applicable.
Boiling Point: Not Available.
Vapor Pressure @ 25C: Not Determined.
Vapor Density: Not Determined.
Solubility in Water: Not Determined.
pH: Not Applicable.
Volatile content: Not Determined.

Note: The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability: Stable.
Hazardous Polymerization: Hazardous polymerization will not occur.
Conditions to Avoid: None.
Materials to Avoid: Oxidizing material can cause a reaction.
Comments: None

SECTION 11. TOXICOLOGICAL INFORMATION

OPTIONAL SECTION - Complete information not yet available.

SECTION 12. ECOLOGICAL INFORMATION

OPTIONAL SECTION - Complete information not yet available.
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+---------------------------------------------+
\SECTION 13. DISPOSAL INFORMATION
+---------------------------------------------+
\RERA Hazard Class (40CFR 261)
+---------------------------------------------+
When a decision is made to discard this material, as received, is it classified as a hazardous waste? N

\Federal Hazardous Waste Code: NA

\Characteristic Waste: Ignitable: NA Corrosive: NA Reactive: NA

\TCLP: NA

\State or local laws may impose additional regulatory requirements regarding disposal.

\NA = Not Applicable

\Call Dow Corning Corporate Environmental Management, (517)496-6315, if additional information is required.

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\SECTION 14. TRANSPORT INFORMATION
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\DOT Information (49CFR 172.101)
+---------------------------------------------+
\Proper Shipping Name: Not Applicable

\Hazard Technical Name: Not Applicable

\Hazard Class: Not Applicable

\UN/NA Number: 0000

\Packing Group: NA

\0000 and NA = Not Applicable

\Call Dow Corning Transportation, (517)496-8577, if additional information is required.
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SECTION 15. REGULATORY INFORMATION  

Contents of this MSDS comply with the OSHA Hazard Communication Standard  
29CFR 1910.1200  

TSCA Status: All chemical substances found in this product comply with the  
Toxic Substances Control Act inventory reporting requirements.  

EPA SARA Title III Chemical Listings:  

Section 302 Extremely Hazardous Substances:  
None  

Section 304 CERCLA Hazardous Substances:  
001330207  .7  Xylene  

Section 312 Hazard Class:  
Acute:  N  
Chronic:  N  
Fire:  N  
Pressure:  N  
Reactive:  N  

Y = Yes  N = No  

Section 313 Toxic Chemicals:  
None present or none present in regulated quantities.  

Supplemental State Compliance Information  

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Component</th>
<th>Wt%</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer.

None Known.

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause birth defects or other reproductive harm.

None Known.

Massachusetts

No ingredient regulated by MA Right-to-Know Law present.

New Jersey

068083192 64 Dimethyl siloxane, dimethylvinyl-terminated
0689822896 34 Dimethylvinylated and trimethylated silica
003555473 1 Tetra(trimethylsiloxy) silane

Pennsylvania

0689822896 34 Dimethylvinylated and trimethylated silica
068083192 64 Dimethyl siloxane, dimethylvinyl-terminated

SECTION 16. OTHER INFORMATION

Prepared by: Dow Corning Corporation

This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these
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(recommendations in the specific context of the intended use and determine whether they are appropriate.)

(R) indicates Registered or Trademark

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