Dow Corning Corporation
South Saginaw Road
Midland, Michigan 48686

24 Hour Emergency Telephone: (517) 496-5900
Product Information: (517) 496-6000
Product Disposal Information: (517) 496-5813
Transportation Information: (517) 496-8577
CHEMTREC: (800) 424-9300

Print Date: 12/03/93
Last Revised: 11/30/93

MSDS No: 01695746

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Generic Description: Silicone elastomer
Physical Form: Paste
Color: Limestone
Odor: Amine-like odor
NFPA Profile: Health NA Flammability 1 Reactivity 0

Note: NFPA = National Fire Protection Association

SECTION 2. HAZARDOUS COMPONENTS

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Wt%</th>
<th>Component</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>000068122</td>
<td>.7</td>
<td>Dimethylformamide</td>
<td>OSHA PEL-skin and ACGIH TLV-skin: TWA 10 ppm.</td>
</tr>
<tr>
<td>001317653</td>
<td>53</td>
<td>Limestone</td>
<td>OSHA PEL: TWA 15 mg/m³ total dust, 5 mg/m³ respirable fraction. ACGIH TLV: TWA 10 mg/m³ total dust.</td>
</tr>
<tr>
<td>050791072</td>
<td>2</td>
<td>Methylvinyl bis(methylacetamido)silane</td>
<td>Dow Corning guide: TWA 1 ppm, 5 ppm Excursion limit. See N-methyl acetamide comments.</td>
</tr>
</tbody>
</table>

Comments: N-methyl acetamide is formed on contact with water or humid air. Provide adequate ventilation to control exposures to within Dow Corning recommended exposure guidelines of 1 ppm (TWA) and 5 ppm (Excursion Limit).

SECTION 3. EFFECTS OF OVEREXPOSURE

Acute Effects

Eye: Direct contact irritates slightly with redness and swelling.
Skin: Repeated or prolonged contact may cause defatting of the skin leading to dermatitis.
Inhalation: Short vapor exposure may cause drowsiness, irritate nose and throat and cause injury to the following organ(s): Liver, Kidneys, Bone marrow, Testes, Immune system.
Oral: Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may injure slightly.

Repeated Exposure Effects

Skin: None Known.
Inhalation: Short vapor exposure may cause drowsiness, irritate nose and throat and cause injury to the following organ(s): Liver, Kidneys, Bone marrow, Testes, Immune system.
Oral: Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may injure slightly.

Special Hazards

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

000068122 .7 Dimethylformamide IARC Group 2B

Teratogens

None Known

Mutagens

None Known

Reproductive Toxins

None Known

Sensitizers

None Known

Comments: Contains Bis(n-methylacetamidomethyl)silane which liberates N-Methylacetamide (NMA) during cure. NMA has been shown to cause birth defects in laboratory animals. Please read the additional information below.

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 for 15 minutes.

Skin: Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.

Inhalation: Remove to fresh air. Get medical attention if ill effects persist.

Oral: Get medical attention.

Comments: Treat according to person's condition and specifics of exposure.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point (Method): 212.00 DEGREE F / 100.00 DEGREE C
Autoignition Temperature: Not Determined

Flammability Limits in Air:

Extinguishing Media: Carbon dioxide (CO2). Water. Water fog (or spray). Dry chemical. Foam.

Unsuitable Extinguishing Media: None

Fire Fighting Procedures: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. If large amount is involved, evacuate area.

Unusual Fire Hazards: None


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. Scrape up and
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contain for salvage or disposal. 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

SECTION 7. HANDLING AND STORAGE

Handling: No special precautions.
Storage: Keep container closed and store away from water or moisture.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Local exhaust: Recommended
General Ventilation: Recommended

Personal Protective Equipment For Routine Handling

Eyes: Use proper protection - safety glasses as a minimum.
Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.
Suitable Gloves: Eval/Unknown (Silver Shield(R), Barricade(R), Responder(R), Chemrel(R)) PE/Eval/PE (Safety4-4H(R)).
Inhalation: Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.
Suitable Respirator: Organic Vapor Type

Personal Protective Equipment For Spills

Eye: Use proper protection - safety glasses as a minimum.
Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Inhalation/
Suitable Respirator: Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.

Precautionary Measures: Avoid eye contact. Avoid skin contact. Avoid breathing vapor. Keep container closed. Do not take internally.

Comments: Product evolves N-methylacetamide when exposed to water or humid air. Provide ventilation during use to control N-methylacetamide within exposure guidelines (See Section 2) or use respiratory protection.

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

## MATERIAL SAFETY DATA SHEET

### DOW CORNING(R) 790 SILICONE BUILDING SEALANT, NATURAL STONE

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Physical form:** Paste
- **Color:** Limestone
- **Odor:** Amine-like odor
- **Specific Gravity @ 25°C:** 1.48
- **Viscosity:** Not Applicable.
- **Freezing/Melting Point:** Not Determined.
- **Boiling Point:** Not Applicable.
- **Vapor Pressure @ 25°C:** Not Applicable.
- **Vapor Density:** Not Applicable.
- **Solubility in Water:** None.
- **pH:** Not Applicable.
- **Volatile content (Wt%):** Not Applicable.

*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:** Water, moisture, or humid air - hazardous vapors form as described in Section 2.

### SECTION 11. TOXICOLOGICAL INFORMATION

**OPTIONAL SECTION - Complete information not yet available.**

### SECTION 12. ECOLOGICAL INFORMATION

**OPTIONAL SECTION - Complete information not yet available.**

### SECTION 13. DISPOSAL CONSIDERATIONS

**OPTIONAL SECTION - Complete information not yet available.**

*Call Dow Corning Environmental Mgmt. (517)496-6315, if more information is desired.*

### SECTION 14. TRANSPORT INFORMATION

**DOT Information (49CFR 172.101)**

- **Proper Shipping Name:** Not Available
- **Hazard Technical Name:** Not Available
- **Hazard Class:** Not Available
- **UN/NA Number:** Not Available
- **Packing Group:** Not Available

*Call Dow Corning Transportation, (517)496-8577, if additional information is required.*

### 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.
### DOW CORNING(R) 790 SILICONE BUILDING SEALANT, NATURAL STONE

**Section 302 Extremely Hazardous Substances:**
None

**Section 304 CERCLA Hazardous Substances:**
None

**Section 312 Hazard Class:**
- Acute: Y
- Chronic: Y
- Fire: N
- Pressure: N
- Reactive: N

Y = Yes  N = No

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

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#### Supplemental State Compliance Information

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Wt%</th>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>California</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>None Known.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>None Known.</td>
</tr>
<tr>
<td>001317653</td>
<td>53</td>
<td>Limestone</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Massachusetts</strong></td>
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<td>2</td>
<td>Methylene bis(n-methylacetamido)silane</td>
</tr>
<tr>
<td>070131678</td>
<td>41</td>
<td>Dimethyl siloxane, hydroxy-terminated</td>
</tr>
<tr>
<td>068952534</td>
<td>1</td>
<td>Dimethyl, methylethyl-N-hydroxyethamine siloxane</td>
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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 given as to product quality or fitness for any purpose. The recommended industrial hygiene and safe handling procedures are based on information available to Dow Corning Corporation as of the date of publication. The user assumes all risks of injury and liability for any such use. No alteration of material safety data sheets is permitted without the written consent of Dow Corning Corporation.
believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

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