# Material Safety Data Sheet

## 1. Product And Company Identification

**Supplier**
- Sika Corporation
- 201 Polito Ave
- Lyndhurst, NJ 07071
- Company Contact: EHS Department
- Telephone Number: 201-933-8800
- FAX Number: 201-933-9379
- Web Site: [www.sikausa.com](http://www.sikausa.com)

**Manufacturer**
- Sika Corporation
- 201 Polito Ave
- Lyndhurst, NJ 07071
- Company Contact: EHS Department
- Telephone Number: 201-933-8800
- FAX Number: 201-933-9379
- Web Site: [www.sikausa.com](http://www.sikausa.com)

**Emergency Contacts & Phone Number**
- CHEMTREC: 800-424-9300
- INTERNATIONAL: 703-527-3887

**Product Name:** Sika Armatec 110 - Part C
**Chemical Family:** Cementitious Mortar
**Chemical Formula:** RMF-1609
**MSDS Number:** 3485
**Product Code:** 018219N

**Issue Date:** 03/03/2005

## 2. Composition/Information On Ingredients

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS Number</th>
<th>Percent Of Total Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEMENT, PORTLAND</td>
<td>65997-15-1</td>
<td>30 - 35</td>
</tr>
<tr>
<td>SILICA, QUARTZ</td>
<td>14808-60-7</td>
<td>60 - 65</td>
</tr>
<tr>
<td>SODIUM NITRITE</td>
<td>7632-00-0</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

## 3. Hazards Identification

### Eye Hazards
- May cause eye irritation.

### Skin Hazards
- May cause skin irritation.

### Ingestion Hazards
- May be harmful if swallowed.

### Inhalation Hazards
- May cause respiratory tract irritation. Breathing dust may cause nose, throat or lung irritation. Respirable crystalline silica can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive.
4. First Aid Measures

**Eye**
In case of contact, hold eyelids apart and immediately flush eyes with plenty of tepid water for at least 15 minutes. Get medical attention immediately if irritation develops and persists.

**Skin**
In case of contact, immediately flush skin with soap and plenty of tepid water for at least 15 minutes. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

**Ingestion**
If swallowed, do not induce vomiting unless directed to do so by medical personnel.

**Inhalation**
Remove to fresh air. If not breathing, give artificial respiration, seek medical attention.

5. Fire Fighting Measures

**Flash Point:** N/A °F
**Autoignition Point:** N/A °F

**Fire And Explosion Hazards**
None Known

**Extinguishing Media**
Use the appropriate extinguishing media for the surrounding fire.

**Fire Fighting Instructions**
In the event of a fire, firefighters should wear full protective clothing and NIOSH-approved self-contained breathing apparatus with a full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Avoid release to the environment. Using appropriate personal protective equipment (PPE), shovel material into waste containers taking care to minimize dust. Dampen if necessary to control dust. Vacuum clean dust with equipment fitted with High Efficiency Particulate Air (HEPA) filters.

7. Handling And Storage

**Handling And Storage Precautions**
Keep out of reach of children. Store in a cool, dry, well ventilated area. Keep containers tightly closed.

**Work/Hygienic Practices**
Wash thoroughly with soap and water after handling.

8. Exposure Controls/Personal Protection

**Engineering Controls**
Use of a system of local and/or general exhaust is recommended to keep employee below applicable exposure limits. Refer to the current edition of "Industrial Ventilation: A Manual of Recommended Practice" published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

**Eye/Face Protection**
Safety glasses with side shields or goggles.

**Skin Protection**
Chemical-resistant gloves. Lab coat or other work clothing to prevent skin exposure. Launder before reuse.

**Respiratory Protection**
A respirator protection program that meets 29 CFR 1910.134 requirement must be followed whenever workplace conditions warrant a respirator's use. In areas where the Permissible Exposure Limits are exceeded, use a properly fitted NIOSH-approved respirator.
8. Exposure Controls/Personal Protection - Continued

**Other/General Protection**
Wash thoroughly after handling.

**Ingredient(s) - Exposure Limits**

<table>
<thead>
<tr>
<th>Material</th>
<th>ACGIH TLV-TWA</th>
<th>OSHA PEL-TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEMENT, PORTLAND</td>
<td>10 mg/m³</td>
<td>15 mg/m³ (total dust)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 mg/m³ (respirable dust)</td>
</tr>
<tr>
<td>SILICA, QUARTZ</td>
<td>0.1 mg/m³ (Notice of Intended Change)</td>
<td>0.05 mg/m³ (Proposed)</td>
</tr>
<tr>
<td></td>
<td>30%/SiO₂+2 mg/m³</td>
<td>10%/SiO₂+2 mg/m³</td>
</tr>
<tr>
<td></td>
<td>250%/SiO+5 mppcf</td>
<td></td>
</tr>
</tbody>
</table>

9. Physical And Chemical Properties

**Appearance**
Solid/Sand

**Odor**
Cement

**Chemical Type:** Mixture
**Physical State:** Solid
**Melting Point:** N/A °F
**Specific Gravity:** 2.70
**Vapor Pressure:** N/A
**Vapor Density:** N/A
**pH Factor:** 11
**Solubility:** N/A

10. Stability And Reactivity

**Stability:** Stable
**Hazardous Polymerization:** Will not occur

**Conditions To Avoid (Stability)**
None Known

**Incompatible Materials**
None Known

**Hazardous Decomposition Products**
None Known

11. Toxicological Information

**Ingredient(s) - Carcinogenicity**
SILICA, QUARTZ
- NTP - Listed On The National Toxicology Program
- Listed In The IARC Monographs

12. Ecological Information
No Data Available...
### 13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations. Waste generators must determine whether a discarded material is classified as a hazardous waste. USEPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

### 14. Transport Information

**Proper Shipping Name**
- Not regulated by the USDOT.

### 15. Regulatory Information

**U.S. Regulatory Information**
- All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**SARA Hazard Classes**
- Acute Health Hazard
- Chronic Health Hazard

**SARA Title III - Section 313 Supplier Notification**
- This product contains the following toxic chemicals that are subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372.

SODIUM NITRITE (7632-00-0) 1 - 5 %

This information must be included on all MSDSs that are copied and distributed for this material.

**Ingredient(s) - U.S. Regulatory Information**
- SODIUM NITRITE
  - SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

**State Regulations**
- WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

**Ingredient(s) - State Regulations**
- SILICA, QUARTZ
  - New Jersey - Workplace Hazard
  - Pennsylvania - Workplace Hazard
  - California - Proposition 65
  - Massachusetts - Hazardous Substance
- SODIUM NITRITE
  - New Jersey - Workplace Hazard
  - New Jersey - Environmental Hazard
  - Pennsylvania - Workplace Hazard
  - Pennsylvania - Environmental Hazard
  - New York City - Hazardous Substance

### 16. Other Information

**HMIS Rating**
- **Health:** 2
- **Fire:** 0
- **Reactivity:** 0
- **PPE:** C
16. Other Information - Continued

<table>
<thead>
<tr>
<th>Revision/Preparer Information</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MSDS Preparer: EHS Department</td>
<td></td>
</tr>
<tr>
<td>MSDS Preparer Phone Number: 201-933-8800</td>
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Disclaimer

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SIKA CORPORATION