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

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

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

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

Issue Date: 05/26/2004
Product Name: Sikadur 51 NS - Part B
Chemical Family: Amine Compound
Chemical Formula: RMF-1687
MSDS Number: 2686
Product Code: 078714N

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>BENZYL ALCOHOL</td>
<td>100-51-6</td>
<td></td>
</tr>
<tr>
<td>CALCIUM CARBONATE</td>
<td>471-34-1</td>
<td></td>
</tr>
<tr>
<td>PROPRIETARY BLEND OF CYCLIC &amp; ALIPHATIC AMINES</td>
<td>Trade Secret</td>
<td></td>
</tr>
<tr>
<td>SILICA, QUARTZ</td>
<td>14808-60-7</td>
<td></td>
</tr>
</tbody>
</table>

Note: Exposure to silica, quartz is applicable only if cured with Part “A” and sanded.

3. Hazards Identification

Eye Hazards
Causes eye irritation. Causes irreversible eye damage.

Skin Hazards
Causes skin irritation. May cause skin sensitization.

Ingestion Hazards
Harmful if swallowed.
3. Hazards Identification - Continued

**Inhalation Hazards**
May cause nose, throat, and lung irritation.

4. First Aid Measures

**Eye**
In case of contact, immediately flush eyes with plenty of water. Get medical attention immediately if irritation develops and persists.

**Skin**
Wash affected areas with soap and water. 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. Get medical attention immediately.

5. Fire Fighting Measures

**Flash Point:** >220 °F
**Autoignition Point:** N/AV °F
**Lower Explosive Limit:** N/AV
**Upper Explosive Limit:** N/AV

**Fire And Explosion Hazards**
None Known

**Extinguishing Media**
In case of fire, use water spray (fog) foam, dry chemical, or CO2.

**Fire Fighting Instructions**
Firefighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Avoid release to the environment. Use appropriate personal protective equipment (PPE). Use appropriate containers to avoid environmental contamination.

7. Handling And Storage

**Handling And Storage Precautions**
Keep containers tightly closed. Keep out of reach of children. Ideal storage temperature is 50-81F.

**Handling Precautions**
Keep container closed when not in use.

**Storage Precautions**
Store in a dry place.

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

8. Exposure Controls/Personal Protection

**Engineering Controls**
Use with adequate general and local exhaust ventilation.

**Eye/Face Protection**
Safety glasses with side shields or goggles.
8. Exposure Controls/Personal Protection - Continued

**Skin Protection**
- Chemical-resistant gloves. Lab coat or other work clothing. 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.

**Ingredient(s) - Exposure Limits**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCIUM CARBONATE</td>
<td></td>
</tr>
<tr>
<td>ACGIH TLV-TWA 10 mg/m3</td>
<td></td>
</tr>
<tr>
<td>OSHA PEL-TWA 15 mg/m3</td>
<td></td>
</tr>
<tr>
<td>OSHA PEL-TWA 5 mg/m3</td>
<td></td>
</tr>
<tr>
<td>SILICA, QUARTZ</td>
<td></td>
</tr>
<tr>
<td>ACGIH TLV-TWA 0.1 mg/m3 (Notice of Intended Change)</td>
<td></td>
</tr>
<tr>
<td>ACGIH TLV-TWA 0.05 mg/m3 (Proposed)</td>
<td></td>
</tr>
<tr>
<td>OSHA PEL-TWA 30/%SiO2+2 mg/m3</td>
<td></td>
</tr>
<tr>
<td>OSHA PEL-TWA 10/%SiO2+2 mg/m3</td>
<td></td>
</tr>
<tr>
<td>OSHA PEL-TWA 250/%SiO+5 mppcf</td>
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</tbody>
</table>

9. Physical And Chemical Properties

**Appearance**
- Black Paste

**Odor**
- Amine Odor

**Chemical Type:** Mixture

**Physical State:** Solid

**Melting Point:** N/AV °F

**Boiling Point:** N/AV °F

**Specific Gravity:** 1.64

**Percent Volatiles:** N/AV

**Percent VOCs:** 21% Part B only

**Packing Density:** 13.7 pounds/gallon

**Vapor Pressure:** N/AV

**Vapor Density:** >AIR

**Solubility:** N/AV

**Evaporation Rate:** Slower than ether

**VOC Content (Part A + B)** - 1.05 grams/Liter

10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

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

**Incompatible Materials**
- Strong acids and oxidizing agents

**Hazardous Decomposition Products**
- Nitrogen Oxides, CO, CO2

**Conditions To Avoid (Polymerization)**
- Exotherm when curing in mass.
### 11. Toxicological Information

**Ingredient(s) - Carcinogenicity**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>NTP - Listed On The National Toxicology Program</td>
</tr>
<tr>
<td>Listed In The IARC Monographs</td>
</tr>
</tbody>
</table>

### 12. Ecological Information

No Data Available...

### 13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations.

### 14. Transport Information

**Proper Shipping Name**

- Corrosive solid, basic, organic, n.o.s., (Aliphatic & Cycloaliphatic Amines)

**Hazard Class**

- 8 PGIII

**DOT Identification Number**

- UN3263

**DOT Shipping Label**

- CORROSIVE

### 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 Section 313 Notification**

This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

**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**

<table>
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<tr>
<th>BENZYL ALCOHOL</th>
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<tr>
<td>New Jersey - Workplace Hazard</td>
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<td>Pennsylvania - Workplace Hazard</td>
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<tr>
<td>Massachusetts - Hazardous Substance</td>
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<td>Pennsylvania - Workplace Hazard</td>
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<td>California - Proposition 65</td>
</tr>
<tr>
<td>Massachusetts - Hazardous Substance</td>
</tr>
</tbody>
</table>
16. Other Information

HMIS Rating
Health: 3
Fire: 1
Reactivity: 0
PPE: C

Revision/Preparer Information
MSDS Preparer: EHS Department
This MSDS Supercedes A Previous MSDS Dated: 04/17/2003

Disclaimer
The data in this Material Safety Data Sheet relates only to the specific material herein and does not relate to use in combination with any other material or in any process. The information set forth herein is based on technical data that Sika believes to be reliable as of the date hereof. Since conditions of use are outside our control, we make no warranties, express or implied and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

SIKA CORPORATION