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
Exchem Mining & Construction
P.O. BOX No.7
Venture Crescent
Alfreton, Derbyshire DE55 7RE England

Telephone Number: +44 (0) 1773 540440

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

Manufacturer Emergency Contacts & Phone Number
+44 (0) 1773 540440

Issue Date: 08/22/2007

Product Name: Sikadur® AnchorFix 2 - Part A
CAS Number: Not Established
Chemical Family: Epoxy-acrylate resin in acrylic monomer
MSDS Number: 4164
Product Code: C371120

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>EPOXY RESIN</td>
<td>Trade Secret</td>
<td></td>
</tr>
<tr>
<td>SILICA, QUARTZ</td>
<td>14808-60-7</td>
<td></td>
</tr>
<tr>
<td>TRIETHYLENE GLYCOL DIMETHACRYLATE</td>
<td>109-16-0</td>
<td></td>
</tr>
</tbody>
</table>

Note: Exposure to Silica, Quartz is applicable only if cured with Part "B" and sanded.

3. Hazards Identification

Eye Hazards
Causes eye irritation.

Skin Hazards
May cause skin irritation.
3. Hazards Identification - Continued

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ingestion Hazards</strong></td>
<td>May be harmful if swallowed.</td>
</tr>
<tr>
<td><strong>Inhalation Hazards</strong></td>
<td>May cause respiratory tract irritation.</td>
</tr>
</tbody>
</table>

4. First Aid Measures

<table>
<thead>
<tr>
<th>Body Part</th>
<th>First Aid Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eye</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Skin</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td>If swallowed, do not induce vomiting unless directed to do so by medical personnel. If victim is fully conscious, give one or two cups of water or milk to drink. Never give anything by mouth to an unconscious victim.</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td>Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention immediately.</td>
</tr>
</tbody>
</table>

5. Fire Fighting Measures

| Fire And Explosion Hazards   | None known                                      |
| Extinguishing Media          | In case of fire, use CO2, alcohol or polymer foam, alcohol resistant foam. |
| 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. Use appropriate Personal Protective Equipment (PPE). Contain spill and collect with absorbent material and transfer into suitable containers. Do not flush to sewer or allow to enter waterways. Ventilate enclosed area.

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 with adequate general and local exhaust ventilation. 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. |
### 8. Exposure Controls/Personal Protection - Continued

**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 (Long sleeve shirt and long pants). Launder before reuse.

**Respiratory Protection**  
In case of inadequate ventilation, use NIOSH-approved respirator. A respirator protection program that meets 29 CFR 1910.134 requirement must be followed whenever workplace conditions warrant a respirator's use.

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

### Ingredient(s) - Exposure Limits

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILICA, QUARTZ</td>
<td>ACGIH TLV-TWA 0.05 mg/m3 (Notice of Intended Change)</td>
</tr>
<tr>
<td></td>
<td>ACGIH TLV-TWA 0.025 mg/m3 (Proposed)</td>
</tr>
<tr>
<td></td>
<td>OSHA PEL-TWA 30% SiO2+2 mg/m3</td>
</tr>
<tr>
<td></td>
<td>OSHA PEL-TWA 10% SiO2+2 mg/m3</td>
</tr>
<tr>
<td></td>
<td>OSHA PEL-TWA 250% SiO+5 mppcf</td>
</tr>
</tbody>
</table>

### 9. Physical And Chemical Properties

**Appearance**  
Green paste

**Odor**  
Slightly sweet

**Chemical Type:** Mixture  
**Physical State:** Solid  
**Melting Point:** N/AV °F  
**Boiling Point:** N/AV °F  
**Specific Gravity:** 1.6  
**Packing Density:** 13.5 lbs/gallon  
**Solubility:** Insoluble

### 10. Stability And Reactivity

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

**Conditions To Avoid (Stability)**  
Heat, sources of ignition.

**Incompatible Materials**  
Strong oxidizing materials, acids and bases.

**Hazardous Decomposition Products**  
CO, CO2, Aldehydes and other organics

**Conditions To Avoid (Polymerization)**  
Heat, sources of ignition
11. Toxicological Information

**Ingredient(s) - Carginogenicity**

- 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

**Ingredient(s) - State Regulations**

- SILICA, QUARTZ
  - New Jersey - Workplace Hazard
  - Pennsylvania - Workplace Hazard
  - California - Proposition 65
  - Massachusetts - Hazardous Substance

16. Other Information

**HMIS Rating**

- Health: 2
- Fire: 1
- Reactivity: 1
- PPE: C

**Revision/Preparer Information**

- **MSDS Preparer:** EHS Department
- **MSDS Preparer Phone Number:** 201-933-8800
- **This MSDS Supercedes A Previous MSDS Dated:** 08/03/2005

**Disclaimer**

The information contained in this Material Safety Data Sheet applies only to the actual Sika Corporation ("Sika") product identified and described herein. This information is not intended to address, nor does it address the use or application of the identified Sika product in combination with any other material, product or process. All of the information set forth herein is based on technical data regarding the identified product that Sika believes to be...
Disclaimer - Continued

reliable as of the date hereof. Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's current Technical Data Sheet, product label and Material Safety Data Sheet for each Sika product, which are available at web site and/or telephone number listed in Section 1 of this MSDS.

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All sales of Sika products are subject to its current terms and conditions of sale available at www.sikacorp.com or 201-933-8800.

SIKA CORPORATION
1. Product And Company Identification

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Sika Corporation
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Telephone Number: +44 (0) 1773 540440

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

**Manufacturer Emergency Contacts & Phone Number**
+44 (0) 1773 540440

**Issue Date:** 08/22/2007

**Product Name:** Sikadur® AnchorFix 2 - Part B
**CAS Number:** Not Established
**Chemical Family:** Peroxide Initiator
**MSDS Number:** 4166
**Product Code:** C371120

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>BENZOYL PEROXIDE</td>
<td>94-36-0</td>
<td>10 - 15</td>
</tr>
<tr>
<td>GLYCERINE</td>
<td>56-81-5</td>
<td></td>
</tr>
</tbody>
</table>

3. Hazards Identification

**Eye Hazards**
Causes eye irritation.

**Skin Hazards**
May cause skin irritation. Prolonged and/or repeated skin contact may cause an allergic reaction/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, 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

**Fire And Explosion Hazards**  
During a fire, irritating and/or toxic gases and aerosols from the decomposition/combustion products may be present.

**Extinguishing Media**  
In case of fire, use CO2, alcohol or polymer foam, alcohol resistant foam.

**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. Use appropriate Personal Protective Equipment (PPE). Contain spill and collect with absorbent material and transfer into suitable containers. Do not flush to sewer or allow to enter waterways. Ventilate enclosed area.

### 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.
8. Exposure Controls/Personal Protection - Continued

**Skin Protection**
Chemical-resistant gloves. Lab coat or other work clothing to prevent skin exposure (Long sleeve shirt and long pants). 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>ACGIH TLV-TWA</th>
<th>OSHA PEL-TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>BENZOYL PEROXIDE</td>
<td>5 mg/m3</td>
<td>5 mg/m3</td>
</tr>
<tr>
<td>GLYCERINE</td>
<td>10 mg/m3 Total Dust</td>
<td>15 mg/m3 Total Dust</td>
</tr>
</tbody>
</table>

9. Physical And Chemical Properties

**Appearance**
Black Paste

**Odor**
None

**Chemical Type:** Mixture

**Physical State:** Solid

**Melting Point:** N/AV °F

**Boiling Point:** N/AV °F

**Specific Gravity:** 1.5

**Packing Density:** N/AV

**Solubility:** Insoluble

10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Conditions To Avoid (Stability)**
Heat, sources of ignition.

**Incompatible Materials**
Strong reducing agents

**Hazardous Decomposition Products**
Carbon Dioxide, Carbon Monoxide, and Oxides of Nitrogen

11. Toxicological Information

**Conditions Aggravated By Exposure**
Eye disease, skin disorders and allergies, chronic respiratory conditions.

**Ingredient(s) - Carginogenicity**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BENZOYL PEROXIDE</td>
</tr>
</tbody>
</table>

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.

BENZOYL PEROXIDE (94-36-0) 10 - 15 %

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

Ingredient(s) - U.S. Regulatory Information

BENZOYL PEROXIDE
- SARA Title III - Section 313 Form "R"/TRI Reportable Chemical
- SARA - Acute Health Hazard
- SARA - Chronic Health Hazard
- SARA - Fire Hazard
- SARA - Reactivity Hazard
- SARA - Sudden Release Of Pressure Hazard

Ingredient(s) - State Regulations

BENZOYL PEROXIDE
- New Jersey - Workplace Hazard
- New Jersey - Environmental Hazard
- New Jersey - Special Hazard
- Pennsylvania - Workplace Hazard
- Massachusetts - Hazardous Substance
- New York City - Hazardous Substance

GLYCERINE
- Pennsylvania - Workplace Hazard
16. Other Information

HMIS Rating
Health: *2
Fire: 1
Reactivity: 1
PPE: C

Revision/Preparer Information
MSDS Preparer: EHS Department
MSDS Preparer Phone Number: 201-933-8800
This MSDS Supercedes A Previous MSDS Dated: 07/29/2005

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