1. Identification

Product name: Sikaflex®-2c SL Part A limestone

Supplier: Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
USA
www.sikausa.com

Telephone: (201) 933-8800
Telefax: (201) 804-1076
E-mail address: ehs@sika-corp.com
Emergency telephone: CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Recommended use of the chemical and restrictions on use: For further information, refer to product data sheet.

2. Hazards identification

GHS Classification
Eye irritation, Category 2A
Carcinogenicity, Category 1A (Inhalation)
Specific target organ systemic toxicity - repeated exposure, Category 2, hearing organs (Inhalation)

H319: Causes serious eye irritation.
H350i: May cause cancer by inhalation.
H373: May cause damage to organs through prolonged or repeated exposure if inhaled.

GHS label elements
Hazard pictograms:

Signal Word: Danger

Hazard Statements:
H319: Causes serious eye irritation.
H350i: May cause cancer by inhalation.
H373: May cause damage to organs through prolonged or repeated exposure if inhaled.

Precautionary Statements:
Prevention:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash skin thoroughly after handling.
P280 Wear eye protection/ face protection.
P281 Use personal protective equipment as required.

Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.

Storage:
P405 Store locked up.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Warning : Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

See Section 11 for more detailed information on health effects and symptoms.
There are no hazards not otherwise classified that have been identified during the classification process.
There are no ingredients with unknown acute toxicity used in a mixture at a concentration >= 1%.

3. Composition/information on ingredients

Hazardous ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>&gt;= 2 - &lt; 5 %</td>
</tr>
<tr>
<td>aluminium sulphate</td>
<td>10043-01-3</td>
<td>&gt;= 2 - &lt; 5 %</td>
</tr>
<tr>
<td>ethylbenzene</td>
<td>100-41-4</td>
<td>&lt; 1 %</td>
</tr>
<tr>
<td>Quartz (SiO2)</td>
<td>14808-60-7</td>
<td>&lt; 1 %</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

If inhaled : Move to fresh air.
Consult a physician after significant exposure.

In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.

In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

If swallowed:
- Clean mouth with water and drink afterwards plenty of water.
- Do not induce vomiting without medical advice.
- Do not give milk or alcoholic beverages.
- Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed:
- Irritant effects
- Carcinogenic effects
- Excessive lachrymation
- See Section 11 for more detailed information on health effects and symptoms.
- Causes serious eye irritation.
- May cause cancer by inhalation.
- May cause damage to organs through prolonged or repeated exposure if inhaled.

Protection of first-aiders:
- Move out of dangerous area.
- Consult a physician.
- Show this material safety data sheet to the doctor in attendance.

Notes to physician:
- Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media:
- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific extinguishing methods:
- Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-fighters:
- In the event of fire, wear self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:
- Use personal protective equipment.
- Deny access to unprotected persons.

Environmental precautions:
- Do not flush into surface water or sanitary sewer system.
- If the product contaminates rivers and lakes or drains inform respective authorities.
- Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up:
- Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
- Keep in suitable, closed containers for disposal.
7. Handling and storage

Advice on safe handling: Avoid exceeding the given occupational exposure limits (see section 8).
Do not get in eyes, on skin, or on clothing.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Follow standard hygiene measures when handling chemical products.

Conditions for safe storage: Prevent unauthorized access.
Store in original container.
Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
Store in accordance with local regulations.

Materials to avoid: No data available

8. Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Basis **</th>
<th>Value</th>
<th>Exposure limit(s)* / Form of exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>calcium carbonate</td>
<td>471-34-1</td>
<td>CAL PEL</td>
<td>PEL</td>
<td>10 mg/m³ Total dust</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CAL PEL</td>
<td>PEL</td>
<td>5 mg/m³ respirable dust fraction</td>
</tr>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>OSHA Z-1</td>
<td>TWA</td>
<td>100 ppm 435 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA P0</td>
<td>STEL</td>
<td>150 ppm 655 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA P0</td>
<td>TWA</td>
<td>100 ppm 435 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TWA</td>
<td>100 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>STEL</td>
<td>150 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CAL PEL</td>
<td>STEL</td>
<td>150 ppm 655 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CAL PEL</td>
<td>C</td>
<td>300 ppm</td>
</tr>
<tr>
<td>Compound</td>
<td>CAS Number</td>
<td>Organization</td>
<td>Type</td>
<td>Limit</td>
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<tr>
<td>-------------------</td>
<td>------------</td>
<td>--------------</td>
<td>------</td>
<td>----------</td>
</tr>
<tr>
<td>ethylbenzene</td>
<td>100-41-4</td>
<td>ACGIH</td>
<td>TWA</td>
<td>100 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>STEL</td>
<td>125 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA Z-1</td>
<td>TWA</td>
<td>100 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA P0</td>
<td>TWA</td>
<td>100 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA P0</td>
<td>STEL</td>
<td>125 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CAL PEL</td>
<td>PEL</td>
<td>5 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CAL PEL</td>
<td>STEL</td>
<td>30 ppm</td>
</tr>
<tr>
<td>Quartz (SiO2)</td>
<td>14808-60-7</td>
<td>OSHA Z-3</td>
<td>TWA</td>
<td>30 mg/m3</td>
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<tr>
<td></td>
<td></td>
<td>OSHA Z-3</td>
<td>TWA</td>
<td>10 mg/m3</td>
</tr>
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<td></td>
<td></td>
<td>OSHA Z-3</td>
<td>TWA</td>
<td>250 mppcf</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA P0</td>
<td>TWA</td>
<td>0.1 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TWA</td>
<td>0.025 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CAL PEL</td>
<td>PEL</td>
<td>0.3 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CAL PEL</td>
<td>PEL</td>
<td>0.1 mg/m3</td>
</tr>
</tbody>
</table>
*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

**Basis**
ACGIH. Threshold Limit Values (TLV)
OSHA P0. Table Z-1, Limit for Air Contaminant (1989 Vacated Values)
OSHA P1. Permissible Exposure Limits (PEL), Table Z-1, Limit for Air Contaminant
OSHA P2. Permissible Exposure Limits (PEL), Table Z-2
OSHA Z3. Table Z-3, Mineral Dust

**Engineering measures**
Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Personal protective equipment**

**Respiratory protection**
Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

**Hand protection**
Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Eye protection**
Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

**Skin and body protection**
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

**Hygiene measures**
Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas.

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9. Physical and chemical properties

**Appearance**
viscous

**Color**
grey
### Odor
Odor: aromatic

### Odor Threshold
Odor Threshold: No data available

### Flash point
Flash point: 216 °F (102 °C)

### Ignition temperature
Ignition temperature: No data available

### Decomposition temperature
Decomposition temperature: No data available

### Lower explosion limit (Vol%)
Lower explosion limit (Vol%): No data available

### Upper explosion limit (Vol%)
Upper explosion limit (Vol%): No data available

### Flammability (solid, gas)
Flammability (solid, gas): No data available

### Oxidizing properties
Oxidizing properties: No data available

### pH
pH: No data available

### Melting point/range
Melting point/range: No data available

### Freezing point
Freezing point: No data available

### Boiling point/boiling range
Boiling point/boiling range: No data available

### Vapor pressure
Vapor pressure: 0.01 mmHg (0.01 hpa)

### Density
Density: 1.6 g/cm³ at 68 °F (20 °C)

### Water solubility
Water solubility: Note: insoluble

### Partition coefficient: n-octanol/water
Partition coefficient: n-octanol/water: No data available

### Viscosity, dynamic
Viscosity, dynamic: No data available

### Viscosity, kinematic
Viscosity, kinematic: > 20.5 mm²/s at 104 °F (40 °C)

### Relative vapor density
Relative vapor density: No data available

### Evaporation rate
Evaporation rate: No data available

### Burning rate
Burning rate: No data available

### Volatile organic compounds (VOC) content
Volatile organic compounds (VOC) content: 38 g/l A+B Combined

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### 10. Stability and reactivity

- **Reactivity**: No dangerous reaction known under conditions of normal use.
- **Chemical stability**: The product is chemically stable.
- **Possibility of hazardous reactions**: Stable under recommended storage conditions.
11. Toxicological information

**Acute toxicity**  
Not classified based on available information.

**Ingredients:**  
**aluminium sulphate:**  
Acute oral toxicity: LD50 Oral (Rat): 1,930 mg/kg

**Skin corrosion/irritation**  
Not classified based on available information.

**Ingredients:**  
**aluminium sulphate:**  
Result: Skin irritation

**Serious eye damage/eye irritation**  
Causes serious eye irritation.

**Respiratory or skin sensitization**  
Skin sensitization: Not classified based on available information.  
Respiratory sensitization: Not classified based on available information.

**Germ cell mutagenicity**  
Not classified based on available information.

**Reproductive toxicity**  
Not classified based on available information.

**STOT-single exposure**  
Not classified based on available information.

**STOT-repeated exposure**  
May cause damage to organs (hearing organs) through prolonged or repeated exposure if inhaled.  
Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

**Aspiration toxicity**  
Not classified based on available information.

**Carcinogenicity**  
May cause cancer by inhalation.  
**IARC**  
Group 1: Carcinogenic to humans  
Quartz (SiO2)  
14808-60-7  
Group 2B: Possibly carcinogenic to humans
Titanium dioxide (13463-67-7) has been characterized by IARC as possibly carcinogenic to humans (Group 2B) through inhalation (not ingestion). It has not been characterized as a potential carcinogen by either NTP or OSHA.

12. Ecological information

Other information
Do not empty into drains; dispose of this material and its container in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

13. Disposal considerations

Disposal methods
Waste from residues: Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT
Not dangerous goods
IATA
Not dangerous goods
IMDG
Not dangerous goods

Special precautions for user
No data available
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
Not applicable

15. Regulatory information

**TSCA list**: All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

**EPCRA - Emergency Planning and Community Right-to-Know**

**CERCLA Reportable Quantity**
This material does not contain any components with a CERCLA RQ.

**SARA304 Reportable Quantity**
This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards**
- Acute Health Hazard
- Chronic Health Hazard

**SARA 302**
- No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313**
- The following components are subject to reporting levels established by SARA Title III, Section 313:
  - xylene 1330-20-7 3.00 %

**Clean Air Act**

**Ozone-Depletion Potential**
This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):
- xylene 1330-20-7 3.00 %

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

**California Prop 65**

⚠️ **WARNING**: Cancer and Reproductive Harm -
www.P65Warnings.ca.gov

16. Other information
Caution: HMIS® rating is based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® rating is not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® rating is to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). Please note HMIS® attempts to convey full health warning information to all employees.

Notes to Reader
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Revision Date 02/09/2017

Material number: 183679