1. Identification

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

Supplier : Sika Corporation

Address : 201 Polito Avenue
Lyndhurst, NJ 07071
USA
www.sikausa.com

Telephone : (201) 933-8800
Telefax : (201) 804-1076

Emergency telephone : CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887
ehs@sika-corp.com

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

2. Hazards identification

GHS Classification

Eye irritation, Category 2A : H319: Causes serious eye irritation.
Carcinogenicity, Category 1A : H350: May cause cancer.

GHS Label element

Hazard pictograms : ⚠️

Signal Word : Danger

Hazard Statements : H319 Causes serious eye irritation.
H350 May cause cancer.

Precautionary Statements : Prevention:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
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.

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>titanium dioxide</td>
<td>13463-67-7</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>&gt;= 0 - &lt; 1 %</td>
</tr>
<tr>
<td>Quartz (SiO2)</td>
<td>14808-60-7</td>
<td>&gt;= 0 - &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. Induce vomiting immediately and call a physician. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

Most important symptoms: irritant effects
and effects, both acute and delayed
carcinogenic effects
Excessive lachrymation
See Section 11 for more detailed information on health effects and symptoms.

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.
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>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>ACGIH</td>
<td>TWA</td>
<td>100 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>STEL</td>
<td>150 ppm 655 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>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 435 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>OSHA P0</td>
<td>STEL</td>
<td>125 ppm 545 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.

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>viscous</td>
</tr>
<tr>
<td>Color</td>
<td>gray</td>
</tr>
</tbody>
</table>
Odor : aromatic
Odor Threshold : no data available
Flash point : 216 °F (102 °C)
Ignition temperature : not applicable
Decomposition temperature : no data available
Lower explosion limit (Vol%) : no data available
Upper explosion limit (Vol%) : no data available
Flammability (solid, gas) : no data available
Oxidizing properties : no data available
Autoignition temperature : no data available
pH : no data available
Melting point/range / Freezing point : no data available
Boiling point/boiling range : no data available
Vapor pressure : no data available
Density : 1.6 g/cm³
   at 68 °F (20 °C)
Water solubility : Note: insoluble
Partition coefficient: n-octanol/water : no data available
Viscosity, dynamic : no data available
Viscosity, kinematic : > 20.5 mm²/s
   at 104 °F (40 °C)
Relative vapor density : no data available
Evaporation rate : no data available
Burning rate : no data available
Volatile organic compounds (VOC) content : 38 g/l
   A+B Combined

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.
Conditions to avoid: no data available
Incompatible materials: no data available

11. Toxicological information

Acute toxicity

Product
Acute oral toxicity: no data available
Acute inhalation toxicity: no data available
Acute dermal toxicity: no data available

Skin corrosion/irritation

Product
no data available

Serious eye damage/eye irritation

Product
Causes serious eye irritation.

Respiratory or skin sensitization

Product
no data available

Germ cell mutagenicity

Product
Mutagenicity: no data available

Carcinogenicity

Product
Carcinogenicity: May cause cancer.

IARC
Group 1: Carcinogenic to humans
Quartz (SiO2) 14808-60-7
Group 2B: Possibly carcinogenic to humans
titanium dioxide 13463-67-7
ethylbenzene 100-41-4

NTP
Known to be human carcinogen
Quartz (SiO2) 14808-60-7

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
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  3.87 %

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  3.87 %
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! This product contains a chemical known in the State of California to cause cancer.
WARNING: This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

16. Other information

HMIS Classification

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

The information contained in this 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 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 Product Data Sheet, product label and Safety Data Sheet for each Sika product, which are available at web site and/or telephone number listed in Section 1 of this SDS.

SIKA MAKES NO WARRANTIES EXPRESS OR IMPLIED AND ASSUMES NO LIABILITY ARISING FROM THIS INFORMATION OR ITS USE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES AND SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

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

Revision Date 07/21/2014

Material number: 187958
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: 08/11/2006

Product Name: Sikaflex® 2C, NS & SL - Part B
CAS Number: Not Established
Chemical Family: Polyurethane
MSDS Number: 3966
Product Code: 0464140

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>POLYISOCYANATE PREPOLYMER</td>
<td>mixture</td>
<td></td>
</tr>
<tr>
<td>XYLENE (MIXED ISOMERS)</td>
<td>1330-20-7</td>
<td>5 - 10</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
May be harmful if swallowed.

Inhalation Hazards
May cause nose, throat, and lung irritation. May cause respiratory tract irritation. May cause an allergic respiratory reaction/sensitization after prolonged or repeated contact. Reports have associated repeated and prolonged
3. Hazards Identification - Continued

**Inhalation Hazards - Continued**

exposure to some of the chemicals in this product with permanent brain, liver, kidney, and Central Nervous System damage. Headaches and dizziness may result.

4. First Aid Measures

**Eye**

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**Skin**

In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

**Ingestion**

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. Call a physician or a poison control center immediately.

**Inhalation**

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

5. Fire Fighting Measures

**Flash Point:** 112 °F

**Autoignition Point:** N/AV °F

**Lower Explosive Limit:** N/AV

**Upper Explosive Limit:** N/AV

**Fire And Explosion Hazards**

Combustible liquid. 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 water spray (fog) foam, dry chemical, or CO2.

**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

Eliminate all ignition sources. Use appropriate Personal Protective Equipment (PPE). Absorb and/or contain spill with inert materials (e.g. sand, vermiculite) and then place in appropriate container. For large spills, use water spray to disperse vapors. Prevent runoff from entering waterways or sewers.

7. Handling And Storage

**Handling And Storage Precautions**

Keep out of reach of children. Not for internal consumption.

**Handling Precautions**

Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors, and static electricity).

**Storage Precautions**

Store at 32F min. - 122F max. Ideal storage temperature 50-80F. If closed container is exposed to heat, pressure can build up. If moisture enters container, pressure may build up due to reaction. Store in cool, dry area in tightly closed containers, away from sparks and open flames.
### 7. Handling And Storage - Continued

#### 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
Faceshield over safety glasses 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.

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

### 9. Physical And Chemical Properties

#### Appearance
Clear liquid

#### Odor
Aromatic Odor

**Chemical Type:** Mixture  
**Physical State:** Liquid  
**Specific Gravity:** 1.02  
**Percent Volatiles:** 9.0  
**Packing Density:** 8.5 pounds/gallon  
**Vapor Density:** > AIR  
**Evaporation Rate:** Slower than ether  
**VOC content:** Part B: 92 g/l

For VOC Content of the A & B component mixed, please see the appropriate Part A MSDS.

### 10. Stability And Reactivity

**Stability:** Stable  
**Hazardous Polymerization:** Will not occur  
**Conditions To Avoid (Stability)**  
Open flame, heat
10. Stability And Reactivity - Continued

**Incompatible Materials**
- Water, Alcohols and Amines

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

11. Toxicological Information

No Data Available...

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**
- Ground Transport - Not Regulated by the USDOT (per 49 CFR 173.150(f))
- Air, Boat Transport - Flammable Liquids, N.O.S, (Xylene), 3, UN1993, PG III

**Additional Shipping Paper Description**
- Note: This product is packaged for ground transport only.

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
- Fire 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.

- XYLENE (MIXED ISOMERS) (1330-20-7) 5 - 10 %

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

**Ingredient(s) - U.S. Regulatory Information**

- XYLENE (MIXED ISOMERS)
  - SARA Title III - Section 313 Form "R"/TRI Reportable Chemical
  - SARA - Acute Health Hazard
  - SARA - Chronic Health Hazard
  - SARA - Fire Hazard

**Ingredient(s) - State Regulations**

- XYLENE (MIXED ISOMERS)
  - New Jersey - Workplace Hazard
15. Regulatory Information - Continued

Ingredient(s) - State Regulations - Continued

<table>
<thead>
<tr>
<th>State</th>
<th>Regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Jersey</td>
<td>Environmental Hazard</td>
</tr>
<tr>
<td>New Jersey</td>
<td>Special Hazard</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>Workplace Hazard</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>Environmental Hazard</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>Hazardous Substance</td>
</tr>
<tr>
<td>New York City</td>
<td>Hazardous Substance</td>
</tr>
</tbody>
</table>

16. Other Information

HMIS Rating

- Health: *2
- Fire: 2
- Reactivity: 0
- PPE: C

Revision/Preparer Information

- MSDS Preparer: EHS Department
- This MSDS Supercedes A Previous MSDS Dated: 07/21/2006

Disclaimer

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SIKA CORPORATION