1. Identification

Product name : Sikadur®-42 LE Part C

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
Carcinogenicity, Category 1A
H350: May cause cancer.

GHS Label element
Hazard pictograms :
Signal Word : Danger
Hazard Statements : 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.
P281 Use personal protective equipment as required.
Response:
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
Storage:
P405 Store locked up.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.
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>Quartz (SiO2)</td>
<td>14808-60-7</td>
<td>&gt;= 50 - &lt;= 100 %</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 : 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 and effects, both acute and delayed : carcinogenic effects

See Section 11 for more detailed information on health effects and symptoms.
May cause cancer.

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. Avoid breathing dust. 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 : Pick up and arrange disposal without creating dust. 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>Quartz (SiO2)</td>
<td>14808-60-7</td>
<td>ACGIH</td>
<td>TWA</td>
<td>0.025 mg/m³ Respirable fraction</td>
</tr>
<tr>
<td></td>
<td>Standard</td>
<td>Limit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------</td>
<td>-------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA Z-3</td>
<td>TWA</td>
<td>30 mg/m³ / %SiO₂+2 total dust</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA Z-3</td>
<td>TWA</td>
<td>10 mg/m³ / %SiO₂+2 respirable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA Z-3</td>
<td>TWA</td>
<td>250 mppcf / %SiO₂+5 respirable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA P0</td>
<td>TWA</td>
<td>0.1 mg/m³ Respirable fraction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA P0</td>
<td>TWA</td>
<td>0.1 mg/m³ respirable dust fraction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>TWA</td>
<td>0.025 mg/m³ Respirable fraction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>TWA</td>
<td>0.025 mg/m³ Respirable fraction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>barium-sulfate</td>
<td>7727-43-7</td>
<td>OSHA P0 TWA 10 mg/m³ Total</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA P0 TWA 5 mg/m³ Respirable fraction</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA Z-1 TWA 15 mg/m³ total dust</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA Z-1 TWA 5 mg/m³ respirable fraction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>TWA</td>
<td>5 mg/m³ Inhalable fraction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA P0</td>
<td>TWA</td>
<td>10 mg/m³ Total dust</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA P0</td>
<td>TWA</td>
<td>5 mg/m³ respirable dust fraction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>glass, oxide, chemicals</td>
<td>65997-17-3</td>
<td>ACGIH TWA 1 fibre/cm³ fibers</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH TWA 1 fibre/cm³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**OSHA Z-3 TWA**

- 30 mg/m³ / %SiO₂+2 total dust
- 10 mg/m³ / %SiO₂+2 respirable
- 250 mppcf / %SiO₂+5 respirable

**OSHA P0 TWA**

- 0.1 mg/m³ Respirable fraction
- 0.1 mg/m³ respirable dust fraction

**ACGIH TWA**

- 0.025 mg/m³ Respirable fraction
- 0.025 mg/m³ Respirable fraction

**barium-sulfate 7727-43-7 OSHA P0 TWA**

- 10 mg/m³ Total
- 5 mg/m³ Respirable fraction

**OSHA Z-1 TWA**

- 15 mg/m³ total dust
- 5 mg/m³ respirable fraction

**ACGIH TWA**

- 5 mg/m³ Inhalable fraction

**OSHA P0 TWA**

- 10 mg/m³ Total dust
- 5 mg/m³ respirable dust fraction

**ACGIH TWA**

- 1 fibre/cm³ fibers
- 1 fibre/cm³
fibers

*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 Contaminat (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
Remarks: 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. Avoid breathing dust.

9. Physical and chemical properties
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>powder</td>
</tr>
<tr>
<td>Color</td>
<td>gray</td>
</tr>
<tr>
<td>Odor</td>
<td>odorless</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Note: Not applicable</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower explosion limit (Vol%)</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper explosion limit (Vol%)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/range / Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>ca. 2.65 g/cm³ at 73 °F (23 °C)</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Note: insoluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>&gt; 20.5 mm²/s at 104 °F (40 °C)</td>
</tr>
<tr>
<td>Relative vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Burning rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Volatile organic compounds (VOC) content</td>
<td>22 g/l A+B+C Combined</td>
</tr>
</tbody>
</table>
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

Not classified based on available information.

Skin corrosion/irritation
Not classified based on available information.

Serious eye damage/eye irritation
Not classified based on available information.

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.

Carcinogenicity
May cause cancer.
IARC Group 1: Carcinogenic to humans
Quartz (SiO2) 14808-60-7
NTP Known to be human carcinogen
Quartz (SiO2) 14808-60-7

Reproductive toxicity
Not classified based on available information.

STOT-single exposure
Not classified based on available information.

STOT-repeated exposure
Prolonged exposure can cause silicosis.

Aspiration toxicity
Not classified based on available information.

12. Ecological information

Other information Do not empty into drains; dispose of this material and its container in a safe way.
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**
Chronic Health Hazard

**SARA 302**
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 61.

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.

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.

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Safety Data Sheet

Sikadur®-42 LE  Part C

Revision Date 04/02/2015

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 04/02/2015

Material number: 457586