1. Product and company identification

Product name: Sika Level 315
Supplier: Sika Corporation, Construction
201 Polito Avenue
Lyndhurst, NJ 07071
www.sikaconstruction.com

Telephone no.: (201) 933 - 8800
Fax no.: (201) 804 - 1076
In case of emergency: CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887
Manufacturer: Sika Corporation, Operations
201 Polito Avenue
Lyndhurst, NJ 07071
www.sikacorp.com

Telephone no.: (201) 933 - 8800
Product type: Powder.

2. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (SiO2)</td>
<td>14808-60-7</td>
<td>30 - 60</td>
</tr>
<tr>
<td>Cement, alumina, chemicals</td>
<td>65997-16-2</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Cement, portland, chemicals</td>
<td>65997-15-1</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Magnesium carbonate</td>
<td>546-93-0</td>
<td>1 - 5</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.

3. Hazards identification

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential acute health effects:
- **Inhalation**: Irritating to respiratory system.
- **Ingestion**: Corrosive to the digestive tract. Causes burns.
- **Skin**: Corrosive to the skin. Causes burns.
- **Eyes**: Corrosive to eyes. Causes burns.

See toxicological information (section 11)

4. First aid measures

**Eye contact**: Get medical attention immediately. Check for and remove any contact lenses. Chemical burns must be treated promptly by a physician. Immediately flush eyes with plenty of water for at least 15 minutes.

**Skin contact**: Get medical attention immediately. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse.

22. June 2009 US MSDS no.: 604854
4. First aid measures

Inhalation: Get medical attention immediately. Move exposed person to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Maintain an open airway.

Ingestion: Get medical attention immediately. Wash out mouth with water. Move exposed person to fresh air. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person.

Notes to physician: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Flammability of the product: No specific fire or explosion hazard.

Extinguishing media

Suitable: Use an extinguishing agent suitable for the surrounding fire.

Not suitable: None known.

Special exposure hazards: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Hazardous combustion products: Decomposition products may include the following materials:
- carbon dioxide
- carbon monoxide
- metal oxide/oxides

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Large spill: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Small spill: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
7. Handling and storage

Handling: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe dust. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Product name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Quartz (SiO2)</strong></td>
<td><strong>OSHA PEL Z3 (United States, 9/2005).</strong> TWA: 10 mg/m³ 8 hour(s). Form: Respirable</td>
</tr>
<tr>
<td></td>
<td>TWA: 250 mppcf 8 hour(s). Form: Respirable</td>
</tr>
<tr>
<td></td>
<td>TWA: 30 mg/m³ 8 hour(s). Form: Total dust.</td>
</tr>
<tr>
<td><strong>ACGIH TLV (United States, 1/2008). Notes:</strong> Respirable fraction; see Appendix C, paragraph C. TWA: 0.025 mg/m³ 8 hour(s). Form: Respirable fraction</td>
<td></td>
</tr>
<tr>
<td><strong>NIOSH REL (United States, 6/2008). Notes:</strong> See Appendix A - NIOSH Potential Occupational Carcinogen TWA: 0.05 mg/m³ 10 hour(s). Form: respirable dust</td>
<td></td>
</tr>
<tr>
<td><strong>OSHA PEL 1989 (United States, 3/1989). Notes:</strong> as quartz TWA: 0.1 mg/m³, (as quartz) 8 hour(s). Form: Respirable dust</td>
<td></td>
</tr>
<tr>
<td><strong>Cement, portland, chemicals</strong></td>
<td><strong>OSHA PEL (United States, 6/2008).</strong> TWA: 5 mg/m³ 10 hour(s). Form: Respirable fraction</td>
</tr>
<tr>
<td></td>
<td>TWA: 10 mg/m³ 10 hour(s). Form: Total</td>
</tr>
<tr>
<td><strong>OSHA PEL (United States, 11/2006).</strong> TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA: 15 mg/m³ 8 hour(s). Form: Total dust.</td>
</tr>
<tr>
<td><strong>OSHA PEL 1989 (United States, 3/1989).</strong> TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA: 10 mg/m³ 8 hour(s). Form: Total dust.</td>
</tr>
<tr>
<td><strong>ACGIH TLV (United States, 1/2008).</strong> TWA: 10 mg/m³ 8 hour(s).</td>
<td></td>
</tr>
<tr>
<td><strong>magnesium carbonate</strong></td>
<td><strong>OSHA PEL (United States, 11/2006).</strong> TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction</td>
</tr>
<tr>
<td></td>
<td>TWA: 15 mg/m³ 8 hour(s). Form: Total dust.</td>
</tr>
<tr>
<td><strong>OSHA PEL 1989 (United States, 3/1989).</strong> TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA: 15 mg/m³ 8 hour(s). Form: Total dust.</td>
</tr>
<tr>
<td><strong>NIOSH REL (United States, 6/2008).</strong> TWA: 5 mg/m³ 10 hour(s). Form: Respirable fraction</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA: 10 mg/m³ 10 hour(s). Form: Total</td>
</tr>
</tbody>
</table>
8. Exposure controls/personal protection

Engineering measures: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Respiratory: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands: 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.

Eyes: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If operating conditions cause high dust concentrations to be produced, use dust goggles.

Skin: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

9. Physical and chemical properties

Physical state: Powder.
Flash point: Closed cup: Not applicable.
Color: Gray.
Density: \(~2.5 \text{ g/cm}^3\)

10. Stability and reactivity

Stability: The product is stable.
Conditions to avoid: Avoid exposure - obtain special instructions before use.
Materials to avoid: No specific data.
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological information

Potential chronic health effects

Chronic effects: Contains material that may cause target organ damage, based on animal data. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
Carcinogenicity: Contains material which can cause cancer. Risk of cancer depends on duration and level of exposure.

Acute toxicity

Conclusion/Summary: Not available.

Carcinogenicity Classification

Product/ingredient name ACGIH IARC EPA NIOSH NTP OSHA

22. June 2009 US MSDS no.: 604854
11. Toxicological information

Quartz (SiO2)  A2  1 - +  Proven. -

12. Ecological information

Environmental effects: No known significant effects or critical hazards.

13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

<table>
<thead>
<tr>
<th>Regulatory information</th>
<th>UN number</th>
<th>Proper shipping name</th>
<th>Classes</th>
<th>PG*</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Classification</td>
<td>Not regulated.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>TDG Classification</td>
<td>Not regulated.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>ADR/RID Class</td>
<td>Not regulated.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>IMDG Class</td>
<td>Not regulated.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>IATA-DGR Class</td>
<td>Not regulated.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

PG* : Packing group

15. Regulatory information

U.S. Federal regulations:
- TSCA 8(a) PAIR: acetaldehyde
- United States inventory (TSCA 8b): All components are listed or exempted.
- TSCA 8(d) H and S data reporting: acetaldehyde: 1991
- SARA 302/304/311/312 extremely hazardous substances: No products were found.
- SARA 302/304 emergency planning and notification: No products were found.
- SARA 302/304/311/312 hazardous chemicals: Quartz (SiO2); Cement, portland, chemicals; Limestone
- SARA 311/312 MSDS distribution - chemical inventory - hazard identification:
  Quartz (SiO2): Immediate (acute) health hazard, Delayed (chronic) health hazard;
  Cement, portland, chemicals: Immediate (acute) health hazard;
  Limestone: Immediate (acute) health hazard
- Clean Water Act (CWA) 311: formaldehyde; acetaldehyde
- Clean Air Act (CAA) 112 accidental release prevention: ethylene oxide; formaldehyde; acetaldehyde
15. Regulatory information

Clean Air Act (CAA) 112 regulated flammable substances: acetaldehyde
Clean Air Act (CAA) 112 regulated toxic substances: ethylene oxide; formaldehyde

State regulations: Massachusetts Substances:
The following components are listed:
SILICA, CRYSTALLINE, QUARTZ; MAGNESITE DUST; CALCIUM CARBONATE; PORTLAND CEMENT

New Jersey Hazardous Substances:
The following components are listed:
SILICA, QUARTZ; SILICA, QUARTZ; SILICATE, PORTLAND CEMENT

Pennsylvania RTK Hazardous Substances:
The following components are listed:
QUARTZ (SiO2); QUARTZ (SiO2); LIMESTONE; CEMENT, PORTLAND, CHEMICALS

California Prop. 65
WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Cancer</th>
<th>Reproductive</th>
<th>No significant risk level</th>
<th>Maximum acceptable dosage level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (SiO2)</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>lithium carbonate</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>formaldehyde</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>acetaldehyde</td>
<td>Yes</td>
<td>No</td>
<td>90 μg/day (inhalation)</td>
<td>No</td>
</tr>
<tr>
<td>ethylene oxide</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

United States inventory (TSCA 8b): All components are listed or exempted.

16. Other information

Hazardous Material Information System (U.S.A.)

- Health: 3
- Flammability: 0
- Physical hazards: 0
- Personal Protection Equipment: E

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

Date of printing: 22.06.2009.
Date of issue: 22.06.2009.
Date of previous issue: 22.06.2009.
Version: 1.02

Indicates information that has changed from previously issued version.
16. Other information

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