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# 1. Identification

**Product identifier**

KEIM CONCRETAL-PRO-GROB

## Recommended use of the chemical and restrictions on use

**Use of the substance/mixture**

Sol-silicate texture primer

## Details of the supplier of the safety data sheet

|  |  |
| --- | --- |
| Company name: | KEIM Mineral Coatings of America, Inc |
| Address: | 10615 Texland Boulevard, #600  Charlotte, NC 28273, USA |
| Telephone: | 1 704-588-4811 |
| **Emergency phone number:** | in US and Canada:  1 800 535 5053 (INFOTRAC) |

# 2. Hazard(s) identification

## Classification of the chemical

### 29 CFR Part 1910.1200

This mixture is not classified as hazardous in accordance with Regulation 29 CFR 1910.1200(d). **Label elements**

**Additional advice on labelling**

The product does not require a hazard warning label.

## Hazards not otherwise classified

Aqueous solution is alkaline. Avoid contact with the skin and the eyes. Handle in accordance with good industrial hygiene and safety practice.

# 3. Composition/information on ingredients

## Mixtures

### Chemical characterization

Aqueous solution of alkali silicate, silica sol, and additives Sol-Silicate primer coating

# 4. First-aid measures

## Description of first aid measures

**General information**

No specific precautions required.

### After inhalation

Take affected person into fresh air.

In the event of symptoms refer for medical treatment.

### After contact with skin

Wash off immediately with plenty of water for at least 15 minutes.

Consult a doctor if skin irritation persists.

### After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical treatment by eye specialist.

### After ingestion

Rinse out mouth and give plenty of water to drink.

Do not induce vomiting.

Call a physician immediately.

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## Most important symptoms and effects, both acute and delayed

OSHA Hazard Communication: This material is not considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Repeated or prolonged exposure may cause irritation of eyes and skin. **Indication of any immediate medical attention and special treatment needed** Treat symptoms.

# 5. Fire-fighting measures

## Extinguishing media

### Suitable extinguishing media

Product itself does not burn. Fire-extinguishing activities according to surrounding building materials.

**Unsuitable extinguishing media** Full water jet.

## Specific hazards arising from the chemical

In the event of fire the following can be released: Carbon monoxide (CO), Carbon dioxide (CO2), silicon oxide (SiO2)

**Special protective equipment and precautions for fire-fighters** Use breathing apparatus with independent air supply.

### Additional information

In case of fire and/or explosion do not breathe fumes. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

# 6. Accidental release measures

## Personal precautions, protective equipment and emergency procedures

Observe protective instructions (see Sections 7 and 8). Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. High risk of slipping due to leakage/spillage of product.

## Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Do not discharge into the subsoil/soil.

National and local regulations concerning chemicals shall be observed. Dilute with plenty of water.

## Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). After taking up the material dispose according to regulation. Clean contaminated surface thoroughly. Flush rests with sufficient amount of water.

## Reference to other sections

Information for disposal look up chapter 13.

# 7. Handling and storage

## Precautions for safe handling

### Advice on safe handling

Avoid contact with skin, eyes and clothing.

Keep container tightly closed.

No special measure necessary. Information for personal protective equipment look up chapter 8. National and local regulations concerning chemicals shall be observed.

**Advice on protection against fire and explosion** No special protective measures against fire required.

## Conditions for safe storage, including any incompatibilities

**Requirements for storage rooms and vessels** Keep only in original container.

**Advice on storage compatibility** Not required.

**Further information on storage conditions** Information on label instructions.

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Keep from freezing.

# 8. Exposure controls/personal protection

## Control parameters

### Exposure limits

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CAS No. | Substance | ppm | mg/m³ | f/cc | Category | Origin |
| 7727-43-7 | Barium sulfate (resp) | - | 5 |  | TWA (8 h) | REL |
| 7727-43-7 | Barium sulfate (inhalable fraction) |  | 5 |  | TWA (8 h) | ACGIH-2016 |
| 7727-43-7 | Barium sulfate Respirable fraction | - | 5 |  | TWA (8 h) | PEL |
| 1317-65-3 | Calcium Carbonate Respirable fraction | - | 5 |  | TWA (8 h) | PEL |
| 1317-65-3 | Calcium carbonate (total) | - | 10 |  | TWA (8 h) | REL |
| 67-72-1 | Hexachloroethane | 1 |  |  | TWA (8 h) | ACGIH-2016 |
| 12001-26-2 | Mica (containing less than 1% quartz) (resp) | - | 3 |  | TWA (8 h) | REL |
| 12001-26-2 | Mica (respirable fraction) |  | 3 |  | TWA (8 h) | ACGIH-2016 |
| 14808-60-7 | Silica, crystalline (as respirable dust) | - | 0.05 |  | TWA (8 h) | REL |
| 14808-60-7 | Silica, crystalline - alpha-quartz (respirable fraction) |  | 0.025 |  | TWA (8 h) | ACGIH-2016 |
| 14808-60-7 | Silica, crystalline quartz, respirable dust | (Z-3) | (Z-3) |  | TWA (8 h) | PEL |
| 12001-26-2 | Silicates (less than 1% crystalline silica),  Mica, respirable dust | 706 mp/m³ | - |  | TWA (8 h) | PEL |
| 13463-67-7 | Titanium dioxide Total dust | - | 15 |  | TWA (8 h) | PEL |

## Exposure controls

**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

### Protective and hygiene measures

Wash hands before breaks and at the end of workday. Preventive hand protection is recommended. When using do not eat, drink or smoke.

Do not inhale aerosolized spray mist.

**Eye/face protection**

During transferring safety goggles are recommended.

### Hand protection

Protective gloves (EN 374), Solvent-resistant gloves (nitrile rubber).

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Butyl latex, 0.7 mm, 480 min., 60 min., i.e. protective glove made by www.kcl.de. Follow the recommendations of the glove manufacturer for breakthrough properties especially for workplace conditions involving mechanical stress and contact duration.

**Skin protection** Long sleeved clothing.

### Respiratory protection

Mask with filter Type P (EN 141), NIOSH/MSHA approved

# 9. Physical and chemical properties

## Information on basic physical and chemical properties

|  |  |
| --- | --- |
| Physical state: Color: | Pasty  Various |
| Odor: | Odorless |
| pH-Value (at 20 °C): | 11 |

### Changes in the physical state

|  |  |
| --- | --- |
| Flash point: | n.a. |
| Explosive properties | The product is not self-igniting. |
| Oxidizing properties | The product is not explosive. |
| Density (at 20 °C): | 1,5-1,8 g/cm³ |
| Water solubility: | Completely miscible |
| Viscosity / dynamic:  **Other information** No data available.  **10. Stability and reactivity**  **Reactivity**  No data available.  **Chemical stability** | 1100 - 1500 mPa·s |
| Stability:  No data available.  **Possibility of hazardous reactions** | Stable |
| Hazardous reactions: | Will not occur |

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No data available.

**Conditions to avoid** No data available.

## Incompatible materials

Oxidizing agents, Acids.

**Hazardous decomposition products** No data available.

### Further information

No decomposition if stored and applied as directed.

# 11. Toxicological information

## Information on toxicological effects

**Route(s) of Entry**

Skin and eye contact, inhalation and ingestion.

### Acute toxicity

Based on available data, the classification criteria are not met.

No toxicological data available.

### Irritation and corrosivity

Based on available data, the classification criteria are not met.

Skin or eye contact may cause temporary mechanical irritation.

Prolonged contact may cause skin irritation.

**Sensitizing effects**

Based on available data, the classification criteria are not met.

**Specific target organ toxicity (STOT) - single exposure**

Based on available data, the classification criteria are not met.

### Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction** Based on available data, the classification criteria are not met.

|  |  |
| --- | --- |
| Carcinogenicity (NTP): | Not listed |
| Carcinogenicity (IARC): | Not listed |
| Carcinogenicity (OSHA): | Not listed |

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### Aspiration hazard

Based on available data, the classification criteria are not met.

# 12. Ecological information

## Ecotoxicity

No toxicological data available. **Persistence and degradability** No data available.

**Bioaccumulative potential** No data available.

## Mobility in soil

No data available.

**Other adverse effects** No data available.

### Further information

Do not flush into surface water or sanitary sewer system. Slightly water hazardous.

# 13. Disposal considerations

## Waste treatment methods

### Advice on disposal

Where possible recycling is preferred to disposal.

Can be landfilled or incinerated, when in compliance with local regulations.

### Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product. Water

# 14. Transport information

**US DOT 49 CFR 172.101**

**Proper shipping name:** Not regulated.

## Other applicable information

Non hazardous material as defined by the transport regulations.

# 15. Regulatory information

## U.S. Regulations

**National Inventory TSCA**

All of the components are listed on the TSCA inventory.

## State Regulations

### Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

# 16. Other information

## Hazardous Materials Information Label (HMIS)

Health: 1

Flammability: 0

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|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | Physical Hazard: | 0 | | **NFPA Hazard Ratings**  Health:  Flammability:  Reactivity:  Unique Hazard:  **Changes** | 1  0  0 | | Revision date:  Revision No:  Changes in section: | 25.04.2017  1,0 | | **0**  **1**  **0** |

## Abbreviations and acronyms

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

DOT = Department of Transportation

TDG = Transport of Dangerous Goods

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

CAS = Chemical Abstract Service

ISO = International Organization for Standardization

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

## Other data

The information in this document is based on the present state of knowledge and is applicable to the product with regard to appropriate safety precautions.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)