



# Safety Data Sheet

## KEIM Concretal Dilution (Concretal Fixativ)

1.

### Identification

#### Product identifier

KEIM CONCRETAL Dilution (Concretal Fixativ)

#### Recommended use of the chemical and restrictions on use

#### Use of the substance/mixture

Primer Coat, Diluting agent

#### Details of the supplier of the safety data sheet

Company name: KEIM Mineral Coatings of America, Inc  
Street: 10615 Texland Boulevard, #600  
Place: 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 according to 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

Handle in accordance with good industrial hygiene and safety practice.

### 3. Composition/information on ingredients

#### Mixtures

#### Chemical characterization

Liquid solution of potassium water glass, silica sol and additives

### 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 with soap and plenty of water.

Consult a doctor if skin irritation persists.

Do not use solvents or thinners.



#### **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.

#### **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.

#### **Indication of any immediate medical attention and special treatment needed**

Treat symptoms.

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### **5. Fire-fighting measures**

#### **Extinguishing media**

##### **Suitable extinguishing media**

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

#### **Specific hazards arising from the chemical**

In case of fire and/or explosion do not breathe fumes.

#### **Special protective equipment and precautions for fire-fighters**

Use breathing apparatus with independent air supply.

#### **Additional information**

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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### **6. Accidental release measures**

#### **Personal precautions, protective equipment and emergency procedures**

Observe protective instructions (see Sections 7 and 8).

Ensure adequate ventilation.

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.

#### **Methods and material for containment and cleaning up**

Soak up with absorbent material (e.g. sand, Silica gel, acid binder, universal binder).

Shovel into suitable container for disposal. Clean contaminated surface thoroughly with water.

#### **Reference to other sections**

Information for disposal see Section 13.

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### **7. Handling and storage**

#### **Precautions for safe handling**

##### **Advice on safe handling**

Avoid contact with skin, eyes and clothing.

Keep container tightly closed.

Avoid formation of Aerosols.

No special measure necessary.

Information for personal protective equipment, see Section 8. National and local regulations concerning chemicals should be observed.



### Advice on protection against fire and explosion

No special measure necessary.

### Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep only in original container. Keep in a dry, cool and well-ventilated place.

#### Advice on storage compatibility

Do not store with acids.

#### Further information on storage conditions

Keep from freezing.

Protect from heat and direct solar radiation.

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## 8. Exposure controls/personal protection

### Control parameters

#### Exposure limits

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
7631-86-9	Silica, amorphous	-	6		TWA (8 h)	REL

#### Additional advice on limit values

The product contains no relevant quantities of materials with critical values that require monitoring at the workplace.

### Exposure controls

#### Protective and hygiene measures

Wash hands before breaks and at the end of workday.

Avoid contact with skin, eyes and clothing.

Do not inhale aerosols

#### Eye/face protection

Tightly fitting splash protection goggles..

#### Hand protection

Chemical-resistant gloves (EN 374).

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

Not required; except in case of aerosol formation.

If a respirator is used, use a respirator with a filter for vapor/particulate.

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## 9. Physical and chemical properties

Physical state: Liquid  
Color: White  
Odor: Characteristic  
pH-Value (at 20 °C): ~ 11

#### Changes in the physical state

Initial boiling point and boiling range: ~ 212°F (100 °C)

Flash point: n.a.

Explosive properties: The product is not explosive.

Oxidizing properties: The product is not self-igniting.

Density (at 20 °C): ~ 1.05 g/cm<sup>3</sup>



Water solubility: Miscible

**Other information**

No data available.

**Information on basic physical and chemical properties**

**10. Stability and reactivity**

**Reactivity**

Stable under normal conditions.

**Chemical stability**

Stability: Stable

Stable under normal conditions.

**Possibility of hazardous reactions**

Hazardous reactions: Will not occur  
None under normal processing.

**Conditions to avoid**

Keep from freezing.  
Protect from heat and direct solar radiation.

**Incompatible materials**

Acids.

**Hazardous decomposition products**

No decomposition if stored and applied as directed.

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**11. Toxicological information**

**Information on toxicological effects**

**Route(s) of Entry**

**Skin and eye contact, inhalation and ingestion.**

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**Acute toxicity**

Based on available data, the classification criteria are not met.  
LD50/oral/rat: > 2000 mg/kg (Analogy)

**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

**Aspiration hazard**

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



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## 12. Ecological information

EcotoxicityLC50/fish: > 100 mg/l (Analogy)  
EC50/Toxicity to bacteria: > 100 mg/l (Analogy)

### **Persistence and degradability**

OECD 302 B (>70%)

The product is not readily biodegradable to OECD criteria but is inherently biodegradable.

### **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. A pH-change becomes possible in water.

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## 13. Disposal considerations

### **Waste treatment methods**

#### **Advice on disposal**

Disposal in accordance with local regulations.

#### **Contaminated packaging**

Disposal in accordance with local regulations. Cleaning agent: Water

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## 14. Transport information

### **US DOT 49 CFR 172.101**

**Proper shipping name:** Not regulated.

### **Marine transport (IMDG) Other applicable information**

Non-hazardous material as defined by the transport regulations.

**Air transport (ICAO)** Non-hazardous

### **Other applicable information**

Non-hazardous material as defined by the transport regulations.

### **Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

### **Special precautions for user**

Handle in accordance with good industrial hygiene and safety practice.

### **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

The transport takes place only in approved and appropriate packaging.

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## 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.

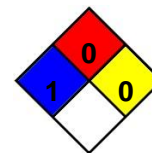


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## 16. Other information

### Hazardous Materials Information Label (HMIS)

Health: 1  
Flammability: 0  
Physical Hazard: 0



### NFPA Hazard Ratings

Health: 1  
Flammability: 0  
Reactivity: 0  
Unique Hazard:  
Revision date: 08.02.201  
Revision No: 6  
10.0

### 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 immobilization 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)

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