



# KEIM CONCRETAL Pigmented Mineral Stain (KEIM CONCRETAL-LASUR)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 08/24/2021 Version: 12.0

SDS No: 0503-0061\_US

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : KEIM CONCRETAL Pigmented Mineral Stain  
(KEIM CONCRETAL-LASUR)

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Thin layer paint / glaze, sol-silicate-based, for interior and exterior application to concrete surfaces.  
Recommended use : Lasur-concentrate  
Restrictions on use : All other uses are not recommended

#### 1.3. Supplier

KEIM MINERAL COATINGS OF AMERICA, INC.  
3935 Perimeter West Drive, Suite 100  
Charlotte, North Carolina 28214  
USA  
T +1 704 588 4811  
Toll Free: +1 866 906 5346 - F +1 704 588 4991  
[info@keim.com](mailto:info@keim.com) - [www.keim.com](http://www.keim.com)  
E-mail address of competent person responsible for the SDS: [sds@gbk-ingelheim.de](mailto:sds@gbk-ingelheim.de)

#### 1.4. Emergency telephone number

Emergency number : Emergency CONTACT (24-Hour-Number)  
GBK/Infotrac ID 91761: (USA domestic) 1 800 535 5053 or international (001) 352 323 3500

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

No labeling applicable

#### 2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : Alkaline product. Avoid contact with skin and eyes.

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable



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### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Comments : Aqueous solution of silicic acid potassium salt, silica sol, acrylic polymer, mineral fillers, pigments, additives.

Name	Product identifier	%	GHS US classification
Titanium dioxide	CAS-No.: 13463-67-7	2.5 - 10	Carc. 2, H351
Potassium salt	CAS-No.: 1312-76-1	≤ 2.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319

Comments : The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures general : Take off immediately all contaminated clothing. Show this safety data sheet to the doctor in attendance.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash off immediately with soap and plenty of water. Do not use solvents or thinners. Get medical advice if skin irritation persists.  
First-aid measures after eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
First-aid measures after ingestion : Rinse out mouth thoroughly with water. Do NOT induce vomiting. Call a physician immediately.

#### 4.2. Most important symptoms and effects (acute and delayed)

No additional information available

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

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



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### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : In case of fire and/or explosion do not breathe fumes.

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.  
Other information : Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin, eyes and clothing. Respirator must be worn if exposed to dust. Spills of this product present a serious slipping hazard.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Ensure adequate air ventilation.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Clean contaminated surface thoroughly.  
Other information : Take up liquid spill into absorbent material, e.g.: sand, saw dust. Shovel into suitable and closed container for disposal. Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Keep the container tightly closed.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Keep only in original container.  
Incompatible materials : Acids.



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Storage area : Keep out of frost. Store away from heat. Keep out of direct sunlight.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<b>KEIM CONCRETAL Pigmented Mineral Stain (KEIM CONCRETAL-LASUR)</b>	
No additional information available	
<b>Titanium dioxide (13463-67-7)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
ACGIH OEL TWA	10 mg/m <sup>3</sup> (Titanium dioxide; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
Remark (ACGIH)	TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2021
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Titanium dioxide (Total dust)
OSHA PEL TWA [1]	15 mg/m <sup>3</sup>
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>Potassium salt (1312-76-1)</b>	
No additional information available	

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

Wash hands immediately after handling the product. Do not eat, drink or smoke in areas where product is used.

##### Hand protection:

Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. The exact break through time has to be found out by the manufacturer of the protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration
protective gloves	butyl rubber	6 (> 480 minutes)	0,7	
protective gloves	Nitrile rubber	6 (> 480 minutes)	0,4	
protective gloves	Nitrile impregnated cotton gloves	6 (> 480 minutes)	0,5	



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### Eye protection:

Protective goggles (EN 166)

### Skin and body protection:

Protection clothes

### Respiratory protection:

Breathing apparatus in the event of aerosol or mist formation

Device	Filter type	Condition
Breathing equipment	Filter P (white)	

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Pasty.
Color	: Various, depending on coloration
Odor	: odorless
Odor threshold	: No data available
pH	: $\approx 11$ The values are for freshly produced material and may change with the time
Melting point	: $\approx 0$ °C
Freezing point	: No data available
Boiling point	: $> 100$ °C
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: $\approx 23$ hPa
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Density	: $1.1 - 1.3$ g/cm <sup>3</sup> The values are for freshly produced material and may change with the time
Solubility	: Miscible with water.
Log Pow	: No data available
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: $400 - 600$ mPa·s The values are for freshly produced material and may change with the time
Explosion limits	: No data available
Explosive properties	: Product is not explosive.
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available



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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

Acids.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>). Silicon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
	pH: ≈ 11 The values are for freshly produced material and may change with the time
Serious eye damage/irritation	: Not classified
	pH: ≈ 11 The values are for freshly produced material and may change with the time
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

<b>Titanium dioxide (13463-67-7)</b>	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available



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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Other information : Avoid release to the environment. No ecotoxicological data about this product are known. Product does not contain any organic bound halogens which could lead to AOX-values.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions. Must not be disposed together with household garbage.  
Sewage disposal recommendations : Do not discharge into drains.  
Additional information : Clean using water and a detergent.

### SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
<b>14.1. UN number</b>			
Not regulated for transport			
<b>14.2. Proper Shipping Name</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>			
Not applicable	Not applicable	Not applicable	Not applicable



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DOT	TDG	IMDG	IATA
<b>14.5. Environmental hazards</b>			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

### 14.6. Special precautions for user

#### DOT

No data available

#### TDG

No data available

#### IMDG

No data available

#### IATA

No data available

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

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

#### CANADA

##### Titanium dioxide (13463-67-7)

Listed on the Canadian DSL (Domestic Substances List)

##### Potassium salt (1312-76-1)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available



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### National regulations

<b>Titanium dioxide (13463-67-7)</b>
Listed on IARC (International Agency for Research on Cancer) Listed on INSQ (Mexican national Inventory of Chemical Substances)

<b>Potassium salt (1312-76-1)</b>
Listed on INSQ (Mexican national Inventory of Chemical Substances)

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

<b>Component</b>	<b>State or local regulations</b>
Titanium dioxide(13463-67-7)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

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Revision date

: 08/24/2021

Other information

: Data of sections 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. 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.

<b>Full text of H-phrases</b>	
H315	Causes skin irritation
H319	Causes serious eye irritation.
H351	Suspected of causing cancer

<b>Abbreviations and acronyms</b>	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail



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<b>Abbreviations and acronyms</b>	
DOT	Department of Transport
TDG	Transportation of Dangerous Goods
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
GHS	Globally Harmonized System of Classification, Labelling and Packaging of Chemicals
IARC	International Agency for Research on Cancer
vPvB	Very Persistent and Very Bioaccumulative
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
CAS	CAS (Chemical Abstracts Service) number
IBC-Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
BCF	Bioconcentration factor
MARPOL 73/78	MARPOL 73/78: International Convention for the Prevention of Pollution From Ships
ADG	Transport of Australian Dangerous Goods
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit



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Abbreviations and acronyms	
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
ED	Endocrine disrupting properties

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should therefore not be construed as guaranteeing any specific property of the product.