

# MATERIAL SAFETY DATA SHEET



## KEIM Design-Lasur

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: KEIM Design-Lasur

CHEMICAL FAMILY: Liquid solution of alkali silicate, silica sol, fillers and additives.

PRODUCT USE: Glaze/coating concentrate and mineral stain.

MANUFACTURER:

KEIM Mineral Coatings of America, Inc.  
10615 Texland Boulevard, #600  
Charlotte, NC 28273  
Phone: 1 704-588-4811  
Emergency Phone: only in US and Canada  
1 800 535 5053 (INFOTRAC)

### 2. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS: (Also see section 11)

EMERGENCY OVERVIEW:

Not subject to hazard classification. Observe the general safety precautions when handling chemicals.

ROUTES OF ENTRY: Skin and eye contact and inhalation.

Appearance: Various colored liquids, odorless.

**CARCINOGENICITY:**

NTP: No, IARC: No, OSHA: No

Although this material is not considered hazardous by the OSHA Hazard Communication Standard. (29CFR1910.1200) proper personal hygiene practices are recommended in the workplace.

**HMIS:** Health: 1 Flammability: 0 Reactivity: 0

**NFPA:** Health: 1 Flammability: 0 Reactivity: 0

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### **3. COMPOSITION/ INFORMATION ON INGREDIENTS**

Non-hazardous ingredients under 29 CFR 1910.1200  
Liquid solution of silicic acid potassium salt and additives.

### **4. FIRST AID MEASURES:**

GENERAL: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

SKIN: Immediately remove all contaminated clothing. Wash away with soap and water and rinse. DO NOT use solvents or thinners.

EYES: Remove contact lenses, keep eyelids open. Flush for several minutes under running water. Then consult a doctor.

INGESTION: Rinse mouth and throat well with water. Do not induce vomiting. Get immediate medical attention.

INHALATION: Move into fresh air and get medical attention in case of complaints.

### **5. FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA: Product is not flammable. Use extinguishing agent suitable for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Exposure to decomposition products may cause a health hazard. Use self-contained breathing apparatus and full protective clothing. In case of fire, the following products can be released: Silicon dioxide (SiO<sub>2</sub>) and carbon dioxide (CO<sub>x</sub>).

### **6. ACCIDENTAL RELEASE MEASURES:**

SPILL AND LEAK PROCEDURES: Provide for adequate ventilation. Avoid contact with skin and eyes. Absorb with liquid binding material (sand, diatomaceous earth, acid binders, universal binders, sawdust) and place in container for disposal according to local regulations (see Section 13). Dispose of the material collected according to regulations. Clean affected area thoroughly.

### **7. HANDLING AND STORAGE**

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**STORAGE:** Always store in original containers tightly closed in a cool, dry and well ventilated area. Do not store together with acids. Protect from freezing. Protect from heat and direct sunlight.

**HANDLING:** Avoid contact with skin and eyes. Prevent the formation of aerosols. Do not inhale vapors.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****EXPOSURE LIMITS:**

Component	CAS#	Exposure Limits
Mica	12001-26-2	3 mg/m <sup>3</sup> (respirable) TWA ACGIH
Quartz	14808-60-7	0.025 mg/ m <sup>3</sup> TWA ACGIH

**ENGINEERING CONTROLS:** Use in a well ventilated area. Ensure that the local exhaust ventilation maintains the concentrations below the occupational exposure limits.

**RESPIRATORY PROTECTION:** Not necessary if room is well-ventilated. Wear appropriate NIOSH approved respirators when aerosol or mist is formed or whenever workplace conditions warrant respirator use.

**SKIN PROTECTION:** Avoid skin contact by wearing suitable work clothing. Wear natural rubber or nitrile impregnated cotton gloves: ≥0.6 mm, The resistance of the glove material must be checked prior to use.

**EYE PROTECTION:** Eye protection suitable for working with liquids.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Property	Value
Form	liquid
Color	Different colors
Odor	odorless
Flashpoint	Not applicable
Melting point	~0°C (32°F)
Boiling point	~100°C (212°F) (1013 hPa)
Self-igniting	Not self igniting
Danger of explosion	Not an explosion hazard
Vapor pressure at 20°C (68°F)	23 hPA
Density at 20°C (68°F)	1.3* g/cm <sup>3</sup>
Solubility in Water	miscible

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pH at 20°C (68°F) <11.4\*  
Viscosity: Dynamic at 20°C (68°F) 400-700 mPas\*

\* The values are for freshly produced material and may change with time

### **10. STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under recommended storage and handling conditions (See Section 7).

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Keep away from acids.

### **11. TOXICOLOGICAL INFORMATION**

Although ACGIH and OSHA exposure limits are established for certain ingredients (see section 8), this product is sold as a liquid and, when used as intended, does not generate dust. Thus the product as such does not pose a hazard resulting from respiration of dust or particulates.

Product is alkaline.

Skin irritation: Frequent persistent contact with the skin may cause skin irritation,

Eye irritation: In case of longer exposure, irritating effect is possible.

Ingestion: Irritant effect is possible.

Sensitization: No sensitizing effects are known.

### **12. ECOLOGICAL INFORMATION**

There are no eco-toxicological assessments.

Avoid contamination of ground water or waterways. Do not discharge into surface waters or drains. The release of large volumes into drains or the aquatic environment may lead to increased pH values. A high pH values harms aquatic organisms.

### **13. DISPOSAL CONSIDERATIONS**

Contaminated packaging must be emptied of all residues and following appropriate cleaning, may be sent to a recycling plant. Unclean packages must be disposed of in accordance with Federal, State or Local regulations.

### **14. TRANSPORT INFORMATION**

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DOT SHIPPING NAME: Not regulated.

IMDG: Not regulated

IATA: Not regulated

### **15. REGULATORY INFORMATION**

**TSCA status:** All components of this product are on the TSCA Inventory.

**DSL status:** All components of this product are on the DSL Inventory.

#### **SARA (section 311/312):**

Reactive hazard: no

Pressure hazard: no

Fire hazard: no

Immediate/acute: no

Delayed/chronic: no

#### **SARA Title III:**

To the best of our knowledge, this product contains no toxic chemicals which are subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

**California Proposition 65:** This product contains quartz as crystalline silica known to the State of California to cause cancer.

**Canadian WHMIS:** Not regulated

**Note:** Entries under this section cover only those regulations typically addressed in the MSDS generating process, such as, TSCA, and EPCRA/SARA Title III.

### **16. OTHER INFORMATION**

HAZCOM LABEL: No warning label required

This MSDS conforms to the American National Standard, ANSI Z400.1-2004. To the best of our knowledge, the information contained in this MSDS is accurate. It is intended to assist the user in his evaluation of the product's hazards, and safety precautions to be taken in its use. The data on this MSDS relate only to the specific

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material designated herein. We do not assume any liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.

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