

MATERIAL SAFETY DATA SHEET

KEIM Design-Lasur-Base



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: KEIM Design-Lasur-Base

CHEMICAL FAMILY: Aqueous emulsion of Sol-Silicate.

PRODUCT USE: Glaze additive or thinner for KEIM Design-Lasur,

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.

Appearance: Whitish transparent liquid.

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

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Non-hazardous ingredients under 29 CFR 1910.1200

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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. Get immediate medical attention if irritation occurs.

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

INHALATION: Remove to fresh air, get medical attention if needed.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: CO₂, dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.

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 (SiO₂) and carbon dioxide (CO_x).

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). Clean affected areas thoroughly.

7. HANDLING AND STORAGE

HANDLING: Wear clothing, gloves and glasses to avoid contact with skin and eyes.

STORAGE: Always store in original containers and 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.

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EXPOSURE LIMITS:

Component	CAS#	Exposure Limits
Mica	12001-26-2	3 mg/m ³ (respirable) TWA ACGIH

ENGINEERING CONTROLS: Use in a well ventilated area.

RESPIRATORY PROTECTION: Not required under normal conditions of use. Wear appropriate NIOSH approved respirators whenever workplace conditions warrant respirator use.

SKIN PROTECTION: Avoid skin contact by wearing protective work clothing. Wear butyl rubber gloves; recommended thickness of the material: ≥ 0.5 mm. As the product is a preparation of several substances, the resistance of the glove material must be checked prior to use. EYE PROTECTION: Safety glasses with side shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Form	liquid
Color	Whitish, transparent
Odor	Odorless
Flashpoint	n.a.
Melting point	Not determined
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)	1.15* g/cm ³
Solubility in Water	miscible
pH at 20°C (68°F)	11.3*
Viscosity	Not determined

* 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: Thermal decomposition may produce hazardous decomposition products such as carbon monoxide and dioxide and silicon dioxide (SiO₂).

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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.

When used and handled according to specification, this product does not have any harmful effects that we know of.

12. ECOLOGICAL INFORMATION

AOX-indication: According to our state of knowledge, this product does not contain any organic bounded halogen.

At present, 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. High pH value may harm 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

DOT SHIPPING NAME: Not regulated.

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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 does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

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: not 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 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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Version 1.2 (US):

June 23, 2013

KEIM Design-Base_USmsds(v1.2).doc