

MATERIAL SAFETY DATA SHEET

KEIM Spezial Dilution



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: KEIM Spezial Dilution

CHEMICAL FAMILY: Aqueous solution of alkali silicate and additives

PRODUCT USE: Silicate diluent/primer

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

EMERGENCY OVERVIEW:

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

ROUTES OF ENTRY: Skin and eye contact.

Appearance: Milky liquid.

CARCINOGENICITY:

NTP: No, IARC: No, OSHA: No

This material is not considered hazardous by the OSHA Hazard Communication Standard. (29CFR1910.1200)

HMIS: Health: 1 Flammability: 0 Reactivity: 0

NFPA: Health: 1 Flammability: 0 Reactivity: 0

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Provided for information purposes. This product is sold as a paste and does not pose a hazard resulting from respiration of dust or particulates.

Component	CAS#	% By Wt.
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Potassium silicate 1312-76-1 3-8

4. FIRST AID MEASURES:

SKIN: Wash with soap or mild detergent and large amounts of water. Do not use solvents or thinners.

EYES: Hold eyes open and flush for several minutes with large amounts of water. Get immediate medical attention if irritation occurs.

INGESTION: Do not induce vomiting. Give two glasses of water to dilute stomach contents. Never give anything by mouth to an unconscious person. Get immediate medical attention.

INHALATION: Remove to fresh air, get medical attention

5. FIRE FIGHTING MEASURES

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

SPECIAL FIRE FIGHTING PROCEDURES: In case of fire do not breathe smoke, fumes or vapors. Wear self-contained breathing apparatus. Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES:

SPILL AND LEAK PROCEDURES: Collect into suitable containers. Avoid contact with skin and eyes. Danger of slipping on leaked/spilled product. 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: Store in tightly sealed original containers. Do not store together with acids. Protect from heat and direct sunlight. Protect from freezing.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use in a well ventilated area.

RESPIRATORY PROTECTION: Not required under normal conditions of use.

SKIN PROTECTION: Clothing and gloves suitable to avoid skin contact. Use natural rubber or nitrile impregnated cotton-gloves. Recommended thickness of the material: ≥ 0.6 mm. 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
Appearance	Milky liquid
Odor	characteristic
Flashpoint	>212 °F (>100 °C)
Boiling Point	212 °F (100 °C)
Vapor Pressure at 20°C	~23 mbar
Density at 20°C	1.03^* g/cm ³
Lower Explosion Limit	n.a.
Upper Explosion Limit	n.a.
Solubility in Water	miscible
pH	11.3^*

*Values are for freshly produced material and may change over time.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

HAZARDOUS DECOMPOSITION PRODUCTS: None known

POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Acids

11. TOXICOLOGICAL INFORMATION

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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.

Skin irritation: Frequent or constant contact with the skin may cause skin irritation.

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

Inhalation: Irritating to respiratory system.

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: Based on our current information, this product does not contain any organic bounded halogen.

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

Dispose of in accordance with Federal, State or Local regulations.

14. TRANSPORT INFORMATION

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.

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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.

Version 2.2

June 23, 2013

KEIM SPEZIAL DILUTION(v2.2).doc