

MATERIAL SAFETY DATA SHEET



KEIM Fixativ

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: KEIM Fixativ

CHEMICAL FAMILY: Aqueous solution of potassium silicate.

PRODUCT USE: Dilutant, consolidant and/or primer for KEIM mineral coatings.

MANUFACTURER:

KEIM Mineral Coatings of America, Inc.
10615 Texland Boulevard, #600
Charlotte, NC 28273
Phone: 1 704-588-4811

2. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS: (Also see section 11)

EMERGENCY OVERVIEW: CAUTION!
MAY CAUSE SKIN AND EYE IRRITATION

ROUTES OF ENTRY: Skin and eye contact.

Appearance: Milky liquid, 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

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3. COMPOSITION/ INFORMATION ON INGREDIENTS

Non-hazardous ingredients under 29 CFR 1910.1200

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. Contact a doctor immediately.

INHALATION: Take the casualty into fresh air and keep warm. Consult a doctor 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: None

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).

7. HANDLING AND STORAGE

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

HANDLING: Avoid contact with skin and eyes.

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

RESPIRATORY PROTECTION: Not necessary if room is well-ventilated. Wear appropriate NIOSH approved respirators whenever workplace conditions warrant respirator use.

SKIN PROTECTION: Clothing and gloves suitable to avoid skin contact. Use butyl rubber or Nitrile rubber gloves and protective clothing suitable for product.

EYE PROTECTION: Safety glasses suitable for working with liquids.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Form	clear liquid
Color	tea color
Odor	characteristic
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 mbar*
Density at 20°C (68°F)	1.17* g/cm ³
Vapor density	Not applicable
Solubility in Water	Fully miscible
pH at 20°C (68°F)	11.3*

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

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

HAZARDOUS DECOMPOSITION PRODUCTS: None

POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Keep away from acids.

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11. TOXICOLOGICAL INFORMATION

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

DOT SHIPPING NAME: Not regulated.

15. REGULATORY INFORMATION

All components of this product are on the TSCA Inventory.

SARA Title III:

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.

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

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16. OTHER INFORMATION

HAZCOM LABEL: CAUTION!
MAY CAUSE SKIN AND EYE IRRITATION

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 1 (US):

February 2, 2009

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