

MATERIAL SAFETY DATA SHEET

KEIM Soliprim



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: KEIM Soliprim

CHEMICAL FAMILY: Copolymer dispersion and alkali silicate in aqueous solution.

PRODUCT USE: Silicate-based primer for interior use.

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: Whitish fluid.

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
Copolymer dispersion and alkali silicate in aqueous solution.

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: Move into fresh air. 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: 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). Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

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. Clear affected area thoroughly.

7. HANDLING AND STORAGE

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HANDLING: Wear protective clothing, gloves and glasses to avoid contact with skin and eyes. Prevent formation of aerosols. Ensure good ventilation/exhaust at the workplace.

STORAGE: Store in closed original containers. Protect from heat and exposure to direct sun. Protect from freezing.

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

This product does not contain any relevant quantities of materials with critical values that must be monitored in the workplace.

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 and gloves. Wear nitrile impregnated cotton gloves or neoprene gloves: recommended thickness of the material: ≥ 0.5 mm or butyl rubber gloves: ≥ 0.7 mm. The resistance of the glove material must be checked prior to use.

EYE PROTECTION: Safety glasses suitable for working with liquids.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Form	liquid
Color	milky
Odor	characteristic
Flashpoint	$>100^{\circ}\text{C}$ (212°F)
Melting point	$\sim 0^{\circ}\text{C}$ (32°F)
Boiling point	$\sim 100^{\circ}\text{C}$ (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)	1.03^* g/cm^3
Solubility in Water	miscible
pH at 20°C (68°F)	9*

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Viscosity: Dynamic at 20°C (68°F) 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: In case of fire, the following can be released under extremely high temperatures: carbon oxide (Cox) and silicon dioxide (SiO₂).

POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Keep away from acids.

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. Elimination in biological waste water treatment plants is effected by flocculation, precipitation and adsorption on sewage sludge.

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.

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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.

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

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.

Version 1.3 (US):

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