

MATERIAL SAFETY DATA SHEET

KEIM CONCRETAL BONDING BRIDGE



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: KEIM Concretal Bonding Bridge (Haftbruecke)
CHEMICAL FAMILY: Portland Cement, fine-grain aggregates and active bonding additives

PRODUCT USE: Concrete repair

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:

EMERGENCY OVERVIEW: WARNING! RISK OF SERIOUS EYE DAMAGE. HARMFUL IF SWALLOWED. IRRITANT TO SKIN, EYES AND RESPIRATORY PASSAGES. PROLONGED OR REPEATED INHALATION MAY CAUSE LUNG DAMAGE.

ROUTE(S) OF ENTRY: Inhalation, skin and eye contact

Appearance/odor: Odorless grey powder

CARCINOGENICITY:

NTP: No, IARC: No, OSHA: No

This material is considered hazardous by the OSHA Hazard Communication Standard. (29CFR1910.1200)

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Component	CAS#	% By Wt.
Cement, portland	65997-15-1	25 - 50

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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 at least 15 minutes with large amounts of water. Get immediate medical attention.

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 immediately. If breathing has stopped give artificial respiration. If breathing is difficult administer oxygen. Consult physician if irritation of respiratory passage occurs.

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: Wearing appropriate personal protective equipment, contain spills and place in suitable containers.

7. HANDLING AND STORAGE

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

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

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

EXPOSURE LIMITS:

Component	CAS#	Exposure Limits
Cement, portland * Inhalable fraction	65997-15-1	1 mg/m ³ TWA, 5 mg/m ³ STEL ACGIH*

ENGINEERING CONTROLS: Use local exhaust ventilation or respiratory protection to maintain employee exposure below TLV.

RESPIRATORY PROTECTION: If airborne concentration poses a health hazard, becomes irritating or exceeds recommended limits, use a NIOSH approved respirator in accordance with OSHA Respirator Protection requirements under 29 CFR 1910.134.

SKIN PROTECTION: Clothing and gloves suitable to prevent skin contact. Check suitability recommendations by protective equipment manufacturers, especially towards chemical breakthrough resistance.

EYE PROTECTION: Safety goggles with side shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Grey powder
Odor	Odorless
Flashpoint	Not applicable
Lower Explosion Limit	Not applicable
Upper Explosion Limit	Not applicable
Solubility in Water @ 20°C	< 2 g/l
Bulk Density @ 20°C	1.35* kg/dm ³
pH	12-13*

*Value is for freshly produced material and may change over time

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10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Reacts with acids.

11. TOXICOLOGICAL INFORMATION

Severe eye irritant. Risk of eye damage. Irritant to skin and respiratory passages.

Not a sensitizer

Portland cement may contain trace amounts of Chromium VI and Crystalline Silica, that are recognized carcinogens.

12. ECOLOGICAL INFORMATION

Avoid contamination of ground water or waterways. Do not discharge into sewers.

13. DISPOSAL CONSIDERATIONS

Dispose 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: WARNING! RISK OF SERIOUS EYE DAMAGE. HARMFULL IF SWALLOWED. IRRITANT TO SKIN, EYES AND RESPIRATORY PASSAGES. PROLONGED OR REPEATED INHALATION MAY CAUSE LUNG DAMAGE.

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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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