



# MATERIAL SAFETY DATA SHEET

## KEIM NHL- fine Lime Render

### **1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: KEIM NHL – fine Lime Render

CHEMICAL FAMILY: High hydraulic lime, calcium dihydroxide, aggregate and additives

PRODUCT USE: Ready-mixed mortar.

#### 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)

Further information obtainable from:

Product safety department: Mrs. Popescu  
Telephone: 49 (0)821/4802-138  
E-Mail: [minodora.popescu@keimfarben.de](mailto:minodora.popescu@keimfarben.de)

### **2. HAZARD IDENTIFICATION**

POTENTIAL HEALTH EFFECTS: (Also see section 11)

EMERGENCY OVERVIEW: CAUTION!  
SKIN IRRITANT.  
RISK OF SERIOUS DAMAGE TO EYES.

ROUTES OF ENTRY: Skin and eye contact and inhalation.

Appearance: White powder, odorless.

#### **CARCINOGENICITY:**

NTP: No, IARC: No, OSHA: No

This material is considered hazardous by the OSHA Hazard Communication Standard. (29CFR1910.1200) proper personal hygiene practices are recommended in the workplace.

#### **HMIS:**

Health: 2 Flammability: 0 Reactivity: 0

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### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Component	CAS#	% By Wt.
High-hydraulic lime		10 -15
Calcium dihydroxide	1305-62-0	2.5 - 10

### 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. If skin irritation continues, consult a doctor.

**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 itself does not burn. Coordinate fire-fighting to the fire surroundings.

**SPECIAL FIRE FIGHTING PROCEDURES:** Exposure to decomposition products may cause a health hazard. Do not breathe smoke, fumes or vapors. Use self contained breathing apparatus and full protective clothing.

### 6. ACCIDENTAL RELEASE MEASURES:

**SPILL AND LEAK PROCEDURES:** Provide for adequate ventilation. Avoid formation of dust and contact with skin and eyes. Spills should be carefully collected by shoveling into appropriate waste containers. Product forms slippery surfaces when combined with water. Do not allow product to reach soil, sewage system or any water courses. Dispose of the material according to regulations.

**MATERIAL SAFETY DATA SHEET****KEIM NHL- fine Lime Render****7. HANDLING AND STORAGE**

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 humidity and water. Avoid dust formations and deposits. Keep away from foodstuffs, beverages and feed.

HANDLING: Avoid contact with skin and eyes. Prevent the formation of dust. Do not inhale dust/fumes/aerosols.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

EXPOSURE LIMITS:

Component	CAS#	Exposure Limits
Calcium dihydroxide	1305-62-0	5 mg/m <sup>3</sup> (respirable) TWA ACGIH

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 dust respirators whenever workplace conditions warrant respirator use.

SKIN PROTECTION: Avoid skin contact by wearing protective work clothing. Wear nitrile impregnated cotton or PVC gloves; recommended thickness of the material: • 0.5 mm. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to application.

EYE PROTECTION: Tightly sealed goggles.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Property	Value
Form	Powdery, grainy
Color	Natural white
Odor	odorless
Flashpoint	Not applicable.
Self-igniting	Not self igniting
Danger of explosion	Not an explosion hazard
Vapor pressure at 20°C (68°F)	Not applicable
Density at 20°C (68°F)	1.25-1.35* kg/m <sup>3</sup>

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Solubility in Water	Slightly soluble
pH at 20°C (68°F)	Alkaline with water mixed
Solids content	100%

\* 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.

POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Keep away from acids.

#### **11. TOXICOLOGICAL INFORMATION**

Product is alkaline.

Skin irritation: Irritant to skin and mucous membranes.

Eye irritation: Strong irritant with the danger of severe eye injury.

Inhalation: Irritating to respiratory system.

Ingestion: Irritant effect is possible.

Sensitization: Sensitization effect by skin contact is possible by prolonged exposure.

#### **12. ECOLOGICAL INFORMATION**

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

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### 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.

### 16. OTHER INFORMATION

HAZCOM LABEL:           CAUTION!  
                                  SKIN IRRITANT.  
                                  RISK OF SERIOUS DAMAGE TO EYES.

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 3, 2009

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