

MATERIAL SAFETY DATA SHEET INDUSTRIAL

Product Name: Caliwel™ with BNA Industrial - Calcium Hydroxide (Hydrated Lime)

Alistagen Corporation

Ten Park Avenue

New York, NY 10016

Tel. (212) 317-0100

Emergency: National Response Center (800) 424-8802

EPA Reg. No: 73696-2

1. PRODUCT IDENTIFICATION

Product Name: Caliwel™ with BNA - Hydrated Lime (Calcium Hydroxide)

UN/MA#.....N/A

DOT Hazard Class.....N/A

2. TYPICAL CHEMICAL COMPOSITION

Recommended Exposure Limits

<u>Hazardous Components</u>	<u>CAS Number</u>	<u>OSHA PEL Mg/m³</u>	<u>ACGIH TLV-TWA Mg/m³</u>
Calcium Hydroxide	1305-62-0	5	5
Magnesium Oxide	1309-48-4	10 (fume)	10 (fume)
Calcium Carbonate	1317-65-3	15	15
Silica	7831-86-9	80/(%SiO)	5

3. Physical Data

Boiling Range (F): <212 ° F

Melting Point (F): 1076° F (580 C°)

Vapor Pressure: N/A

Vapor Density: N/A

pH: 12.4

Solubility in Water: Soluble

Evaporation Rate: Of water

4. Fire & Explosion Hazard Data (ASTM E84)

Flash Point (F): Non-Flammable

Flame Spread Index (FSI): 0

Smoke Developed Index (SDI): 0

Ignition Time (Min:Sec): None

Maximum Temp. at Exposed TC (F°): 560

Time to Maximum Temp. (Min:Sec): 9:42

Flaming on Floor: None

Afterflame Top (Min:Sec): None

Afterflame Floor (Min:Sec): None

LEL: NA

UEL: NA

Flammability Classification: Non-Flammable

DOT: No information Special Fire Fighting Procedures: NA

Unusual Fire and Explosion Hazards: NA

Fire Extinguishing Media.....Considered non-combustible.

Use media appropriate for surrounding fire.

Special Fire Fighting Procedures.....Fire fighters should wear full protective clothing and self-contained breathing apparatus.

5. Reactivity Data

Stability.....Stable
Incompatibility.....Acids, Chlorinated Phenols + Potassium Nitrate, Moleic Anhydride, Nitroparaffins and Phosphorus.
Hazardous Decomposition Products.....None expected
Hazardous Polymerization..... Will not occur
Conditions to Avoid.....N/A

6. Spill or leak procedures

Steps to be taken in case material is released: In case of release to the environment, report spills to the National Response Center 1 -800-424-8802.

Suggested Local Action: Contain spill. Prevent large quantities from contacting vegetation or domestic and natural water sources. If material is not contaminated place in appropriate DOT approved containers for disposal.

Waste Disposal Method: (ERA Waste identification #: N/A) If contaminated with other materials, the nature and extent of contamination may require the use of specialized disposal methods. If disposal is necessary, comply with all local, state, and federal regulations. Contact your local EPA office for help.

For Hazardous Waste Regulation: call 1-800-424-9346 - The RCRA Hotline.

7. Health hazard data

Inhalation: In a confined area vapors in high concentration may provoke headache or dizziness.

Skin Contact: May cause irritation, particular on damp skin. Repeated or prolonged contact could lead to dermatitis. Wash affected area with mild soap and water.

Eye Contact: May cause irritation and conjunctivitis. Flush with large amounts of water for at least 15 minutes, while rolling eyeball and lifting eyelid. Get medical attention.

8. Emergency and first aid procedure

Inhalation: Remove from exposure. If breathing is difficult or has stopped, administer artificial respiration or oxygen as indicated. Immediately seek medical aid.

Skin Contact: Wash thoroughly with soap and water. Seek medical aid.

Eye Contact: Flush immediately with large amounts of water, lifting the lower and upper lids occasionally. Seek medical help.

Ingestion: Give 1 -2 large glasses of water or milk. Immediately seek medical aid. Never give liquids to an unconscious person.

Carcinogenicity: Not listed as a carcinogen by NTP, (ARC, or OSHA)

Routes of Entry: Inhalation, Skin and Eye Contact if handled in such a manner that dust is generated.

Effects of Overexposure: As sold, this product is not anticipated to pose an acute or significant health hazard. However, if subjected to dust generating processes, adverse health effects may occur.

9. Special protection information

Respiratory: Respiratory protection approved by NIOSH/MSHA for protection against dust and spray mist. Appropriate respiration selection depends on the type and magnitude of exposure.

Skin: Clean, body-covering clothing should be worn to prevent irritation in situation where direct contact with product may occur or dust levels are excessive.

Eyes: Employees should be required to wear chemical safety splash goggles in situations where direct contact with the product may result in eye injury.

Ventilation: Local exhaust ventilation should be used to control worker exposure to below recommended Permissible Exposure Levels (PEL).

Other Protective Equipment: Emergency eye wash stations and deluge safety showers should be available in the work areas.

10. Special precautions

Precaution to be taken in handling and storage: Store in a cool, dry location. Keep out of reach of children and pets.

Disclaimer

The information in this MSDS was obtained from sources that we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or completeness.

The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.