



Calcium Oxide

PRODUCT DATA SHEET

Description and Use

Calcium Oxide is designed as a presoak for the removal of calcite from clay brick only. Calcium Oxide is used in conjunction with NMD 80, this combination is for the complete removal of calcite. Calcium removal from concrete masonry units (CMU) use White Scum Presoak followed with NMD 80.

Advantages

Power penetration and softening action.

Limitations

May bleach if used repeatedly straight.

Technical Data

Appearance & Odor:	Clear liquid, mild odor.
Physical State:	Liquid
pH:	1.5
Vapor Pressure (mmHg):	N/A
Vapor Density (air=1):	N/A
Boiling Point:	212° F
Freezing/Melting Point:	5° F
Specific Gravity (WATER =1):	1.367
Evaporation Rate:	N/A
Solubility in Water:	Complete

Preparation

Protect adjacent and surrounding surfaces not intended to be cleaned.

Surface & Air Temperatures

Avoid damage to masonry surfaces. Do not clean when temperatures are below freezing or are expected to be below freezing the night before cleaning. If freezing conditions exist prior to application, allow adequate time for masonry surfaces to thaw. Best cleaning results are obtained when air and surface temperatures are 40° Fahrenheit or above.

Pre-Testing

Always test prior to beginning full-scale cleaning operations. Testing should confirm cleaning effectiveness on each type of surface and stain designated to be cleaned. Test also to determine the desired surface contact time and any potential for adverse reactions with adjacent materials. Allow test panels to dry thoroughly before evaluating final appearance and results.

Application Instructions

To soften heavy deposits, apply the product undiluted via sprayer directly on the areas of calcite. A heavy white foam will result. If the calcite deposit is very thick, allow this foam to collapse completely and repeat this application. Do a scratch test on the surface to see if the calcite is softened. If not, repeat above steps. Once the calcite has softened, without rinsing apply NMD 80. Heavy white foam will form. Calcium is totally gone when white foaming ceases. You can rinse with a trigger sprayer, garden hose or pressure rinse off. Finish with applications of NMD 80 diluted at 4:1, then rinse off thoroughly. Craftsmanship determines the appropriate

pressures for rinsing. A thorough rinse job is always recommended, however, our chemistry never requires flooding a wall. Pressures that mark or damage the surface should be avoided. When in doubt, follow the manufacturers recommended P.S.I. for the substrate on which you are working.

Note: Do not allow Calcium Oxide to run down the surface, bleaching may occur. Apply enough product on the calcite deposits without over soaking to avoid runs. If runs occur, rinse the excess immediately.

Dilutions

Use undiluted

Use NMD 80 4:1 dilution as an additional application for trace removal.

Precautionary Measures

Always wear goggles and gloves when handling this product. Keep off of skin and clothing. If material comes in contact with clothing, wash before reuse. Contains Phosphoric and Sulfuric Acid. Do not get in eyes, on skin or clothing. Avoid breathing fumes. Keep container closed when not in use. Use with adequate ventilation. Applicators should wear boots and gloves, face shields and/or goggles made of solvent resistant materials to avoid splash to bare skin and eyes. Dispose of empty containers according to federal, state and local requirements. Avoid drifting of material or rinse water onto autos and pedestrians by protecting or diverting such traffic. Do not use for any other applications other than specified. Do not remove label. Read Safety Data Sheet for additional safety and health hazard information prior to use. Plants should be well wet down before exposure to this product and exposure should be kept to a minimum.

Spill or Leak Procedures

Check with the state, local, or federal regulations for waste disposal methods in the area. Wear proper protective equipment while doing cleanup. For large spills, dike and contain for intended use. For small spills, use a chemical absorbent product and place in approved container for disposal.

Container Handling/Storage

Store the product in a cool dry place away from alkali / base. Do not allow this product to freeze. Vent bung cap before opening. Keep container tightly closed when not in use. Wash thoroughly after handling. Empty containers retain residue and vapors and must be handled as if full. Completely rinse drum prior to disposal

Instructions in Case of Contact or Exposure

Eyes: Flood with water for fifteen minutes. Seek immediate medical attention.

Skin: Wash off with soap and water for fifteen minutes. If irritation persists, call physician.

Inhalation: Remove to fresh air. Call physician and seek medical attention if irritation persists.

Ingestion: Do not induce vomiting. Drink lots of water. Seek immediate medical attention.

Notice

This product has been classified in accordance with the hazard criteria of the CFR.

Disclaimer

The information herein is given in good faith, but no warranty, either expressed or implied is made. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein we cannot be sure or guarantee these are the only hazards which exist.

Customer Service

Factory personnel are available for assistance at 800-934-0051 and will send you additional information on products as necessary.