



**EPOXY-ACRYLIC LATEX**  
**CHALK FORCE™**  
 High pH SURFACE CONDITIONER  
 ALKALI and CHALK SEALER

**PRODUCT DATA**  
**#2595**  
**03/26/10**  
*superseding: 06/20/07*

Interior Paints  
 Exterior Paints  
 Wall Coatings  
 Concrete  
 Specialty

**PRODUCT DESCRIPTION:**

**CHALK-FORCE™** is an epoxy-acrylic, high performance surface conditioner and chalk sealer that is designed to provide a firm surface for application of latex paints and coatings. It seals high pH (pH of 13 or less) cementitious surfaces. It eliminates the 28 day curing period for fresh cementitious surfaces. This single component, fully crosslinked emulsion polymer product, provides many of the attributes of more expensive polyurethane and epoxy products. This is a low V.O.C. waterborne formulation of new technology that gives the convenience of water clean up while surpassing the durability and performance of solvent based products. It has excellent penetration on porous surfaces and superior adhesion on non-porous or compatible previously coated surfaces. It binds chalky, powdery or porous surfaces, especially badly weathered cement or stucco. **CHALK-FORCE™** has excellent efflorescence and alkali resistance.

**CHALK-FORCE™** penetrates the existing surface, bonding the previous coating back together, leaving a chalk free, moisture resistant surface that can be recoated in 4 hours under normal drying conditions.

**CHALK-FORCE™** provides ease of application, quick drying time, and allows all top coatings to form a permanent bond for long life without fear of peeling due to poor substrate adhesion.

**PRODUCT USES:**

**CHALK-FORCE™** is suitable for previously coated surfaces that are chalking. **CHALK-FORCE™** will penetrate and lock chalky surfaces in place leaving a substrate ready to accept any grade of top coating specified for the application.

**SURFACE PREPARATION:**

For proper adhesion and penetration it is essential that the surface is prepared properly. The surface must be pressure washed with at least 1500 P.S.I. to remove all loose dirt, mold, and excessive chalking. Allow the surface to dry completely before applying **CHALK-FORCE™**. The surface must be dry and free from all wax, grease, oil, dirt, loose or flaking material and soap deposits.

**APPLICATION PROCEDURE:**

Stir contents thoroughly. Do not thin this product, use as is from the container. Apply either by roller, brush or airless sprayer. Apply at temperatures above 45 degrees Fahrenheit. Wait 24 hours before applying to hot or high pH cementitious surfaces. Apply uniformly and do not leave build ups. Be sure to completely seal the surface by overlapping into wet areas.

**CLEAN UP:**

Clean up all spills, tools and overspray immediately while the coating is still wet with warm soapy water.

| Ambient Temperature of 77°F and RH of 50% |                              | <b>TECHNICAL SPECIFICATIONS:</b> | Rates & Times May Vary Beyond Specifications |
|---|------------------------------|----------------------------------|--|
| FINISH:                                   | Flat                         | SPREAD RATE:                     | 300 to 400 sq.ft./gal.                       |
| COLOR:                                    | Clear                        | DRY to TOUCH:                    | 2 to 4 Hours                                 |
| VEHICLE TYPE:                             | Copolymer Emulsion           | RECOAT:                          | 4 Hours                                      |
| SOLIDS by WEIGHT:                         | 15% +/- 2%                   | CURE TIME:                       | 5 to 7 Days                                  |
| SOLIDS by VOLUME:                         | 8% +/- 2%                    | SIZES:                           | 1 Gal., 5 Gal., 55 Gal.                      |
| V.O.C.'s (averages):                      | .83 lbs./gal • 100.0 g/liter | GALLON WEIGHT:                   | 8.9 lbs. +/- .3 lbs.                         |

*Information presented on this Data Sheet has been compiled from sources to be reliable, and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so.*



# MATERIALS HEALTH, SAFETY AND ENVIRONMENTAL DATA SHEET

**MSDS#:  
2595**

|   |   |  |
|---|---|--|
| <b>Product Identification</b>           | Product Name: <b>Chalk Force™</b><br>Product Code #: <b>2595</b><br>General Usage: Clear Acrylic Latex Surface Conditioner<br>General Description: Non-Pigmented Latex Coating<br>C.A.S. Number: None Established; Mixture  |  |
| <b>Manufacturer Information</b>         | Manufacturer's Name: Nationwide Chemical Coating Mfrs., Inc.<br>Address: 7106 24th Court East; Sarasota, FL 34243-3993<br>Emergency Telephone: 1-800-423-7264 or 941-753-7500<br>Information: 1-800-423-7264 or 941-753-7500<br>Web Site: www.nationwidecoatings.com E-Mail: info@natcoat.net<br>Date Effective: January 1 <sup>st</sup> , 2005 |  |
| <b>Chemical and Physical Properties</b> | Color: Clear<br>Physical State: Liquid<br>Boiling Point: 212 Fahrenheit<br>Specific Gravity (H <sub>2</sub> O=1): >1<br>Vapor Presence: about same as H <sub>2</sub> O<br>Percent Volatile: 80-85%<br>Evaporation Rate (Butyl Acetate=1): <1  | Odor: Pungent Odor<br>Odor Threshold: Unknown<br>Melting Point: N/A<br>Freezing Point: 32 Fahrenheit<br>Solubility in H <sub>2</sub> O: Soluble<br>pH (undiluted): 7.5 to 8<br>Vapor Density (Air=1): <1 |
| <b>Fire Protection Information</b>      | Decomposition/Combustion:<br>Flash Point:<br>Recommended Extinguishing Media:<br>Flammable Limits:  | N/A<br>N/A; Does Not Burn<br>N/A<br>N/A  |
| <b>Storage and Reactivity</b>           | Hazardous Polymerization:<br>Storage Conditions:<br>Toxic Products Which May Form:  | Will Not Occur<br>Keep from Freezing<br>None   |
| <b>Transportation</b>                   | Hazard Classes:<br>Hazard Labels:<br>Hazard Determination:<br>Shipping Containers:<br>Shipping Class:   | None; Not Hazardous<br>Not Required<br>MSD Sheet<br>Varies<br>Class 55; Water Based Paint  |
| <b>Container Labeling</b>               | Explanation of Unique Labeling System: None Used  |  |

|                                   |  |   |
|-----------------------------------|--|---|
| <b>Health Hazard Data</b>         | <b>SHORT TERM EXPOSURE</b>   |   |
|                                   | Route of Entry:<br>Inhalation:<br>Skin:<br><br>Eyes:<br><br>Ingestion:   | Precautionary Treatment<br>Expected None<br>Expected None<br><br>Flush Immediately with large amounts of water for at least 15 minutes, holding eyelids open. Call a physician if irritation persists<br><br>Call a physician if significant amounts have been Swallowed. Give patient large amounts of water or milk for dilution. |
|                                   | <b>LONG TERM EXPOSURE</b>  |   |
|                                   | Carcinogen:<br>Target Organ Effects:<br>Other Health Hazards:  | None<br>None<br>None Known  |
| <b>Personal Protection</b>        | Respiratory Protection:<br>Protective Clothing:<br>Ventilation:<br>Other Protective Measures:<br>Eye Protection:   | No inhalation hazard expected<br>None Required<br>Local<br>None<br>Safety Glasses   |
| <b>Spill or Leak Protection</b>   | Accidental Release or Spill:<br><br>Neutralizing Chemical/Media:   | Collect liquid or solidify with absorbent package for disposal<br><br>N/A   |
| <b>Treatability</b>               | Biodegradability: With water prior to cure.<br>Influence on Biological Wastewater Treatment: None<br>Other Impacts on Wastewater Treatment: None<br>Recommended Wastewater Treatment: Dilutable<br>Constituents Interfering With or Not Amenable to Biological or Wastewater Treatment: None |   |
| <b>Recommended Waste Disposal</b> | Dispose of in accordance with Federal, State and Local guidelines.   |   |

**EMERGENCY & INFO: 1-800-423-7264**

*Form based on O.S.H.A. Form 20. Information presented herein has been compiled from sources to be reliable and is accurate and reliable to be the best of our knowledge and belief but is not guaranteed to be so.*

**EMERGENCY & INFO: 941-753-7500**