



Product Bulletin

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BERNITE 35 CLEANER

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BERNITE 35 is a powdered compound designed for cleaning heavy deposits of shellac on tablet coating equipment and other surfaces in pharmaceutical and food plants. More recently **BERNITE 35** has been found to be extremely effective on residues resulting from acrylic polymer aqueous dispersions. (Eudragit coatings)

BERNITE 35 Cleans well even in cold water and rinses easily and completely with excellent wetting-out action and superior sudsing ability. In addition, **BERNITE 35** has excellent sequestering action which minimizes hard water problems. It is ideal for in place cleaning, high pressure spray equipment, tank immersion or manual cleaning by brush.

This economical-to-use cleaner finds wide application in pharmaceutical and food processing plants and has proven acceptable to the U.S. Department of Agriculture "in all departments of official establishments operating under the Federal meat, poultry, shell egg grading and egg products inspection program."

Use 2 to 8 ounces per gallon of water at 130-175°F for most applications. The higher concentrations and temperatures can be used for heavier and more resistant deposits. **BERNITE 35** has been colored with a food grade greenish granular particle to prevent incorrect use or application of this product.

When preparing new solutions or adding to existing ones, slowly add **BERNITE 35** while stirring to avoid spattering. Do not add large amounts of powder at anyone time and do not add to a solution warmer than 100°F.

BERNITE 35 is a highly alkaline material. Direct contact causes burns. Immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes get medical attention. Harmful if swallowed - get immediate medical attention. Wear rubber gloves, safety goggles or face shield and suitable protective clothing. Use with adequate ventilation.

To dispose, neutralize with suitable acidic material, dilute and discharge in accordance with federal, state, and local regulations.

Subject: Analysis of residual **BERNITE 35** following a cleaning and rinsing procedure.

BERNITE 35 contains the surfactant, Sodium dodecylbenzene sulphonate 85% CAS # 25155-30-0. It has been determined that this component material be the best to identify the residue of **BERNITE 35**. The following analytical methods of determinits presence can be used:

1. Surface Tension Evaluation- Compare water surface tension (35 dynes/square centimeter) to rinse water. A reduction of surface tension in rinse water indicates continued presence of surfactant.

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2. Photometric method- Evaporate rinse water to concentrate residue; dissolve in methanol; run infrared spectra and compare to standard Sodium dodecylbenzene sulphonate 85% spectra for identification. We will supply you with the above raw material to allow you to develop those standards that would be considered acceptable.

WARRANTY

THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.