



Better Chemistry. **Better Business.**

**Bernite 29**

**Product Code: 2810002**  
**Revised Date: 07/14/2006**

### **Bernite 29** **Film Coating Cleaner**

**Bernite 29** is a very recent development designed to clean aqueous polymeric dispersions used for pharmaceutical film coating.

Many aqueous coatings as well as aqueous polymer combinations are completely water soluble and thus easy to clean. However, some compounds are particularly difficult to remove, leaving behind a colored residue in the tablet coating equipment as well as on the floors and walls. **Bernite 29** will effectively solubilize and remove many of these residues in equipment, plastic tubing, floors and walls.

**Bernite 29** is supplied as a dry powder to be mixed with room temperature water. The mixed solution is introduced into equipment and allowed to circulate for a few minutes until all residues are removed. It can also be used manually on the exterior portions of equipment, walls and floors. **Bernite 29** has excellent sequestering action which minimizes hard water problems. It cleans well even in cold water and rinses easily and completely.

This cleaner finds wide application in pharmaceutical and food processing plants and has proven acceptable to the US. Department of Agriculture for use "on all surfaces or for use with steam or mechanical cleaning devices in all departments of official establishments operating under the Federal meat, poultry, shell egg grading and egg products inspection programs".

Use 8 ounces per gallon of room temperature water. **Bernite 29** is color coded as a white powder with a blue food grade granule throughout to prevent incorrect use or application of this product.

**Bernite 29** is a slightly alkaline material. Upon contact, immediately flush skin and eyes with much water. For eye contact get medical attention. Harmful if swallowed - drink a large amount of water and get medical attention. Wear rubber gloves, safety goggles or face shield and suitable protective clothing. Use with adequate ventilation.

Subject: Analyses of residual **Bernite 29** following a cleaning and rinsing procedure.

**Bernite 29** 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 29**. The following analytical methods of determining presence can be used:



## Product Bulletin

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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.
2. Photometric method- Evaporate rinse water to concentrate residue; dissolve in methanol; run infra red 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.