



Product Bulletin

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BERNITE AR GENERAL CLEANING LIQUID

2810006
03/08/06

BERNITE AR is a versatile liquid cleaner formulated to remove dirt, oily soils and grease from a wide variety of hard surfaces including stainless steel, aluminum, ceramic tiles, concrete and wood floors. It is a mildly alkaline liquid for daily clean-up operations offering excellent wetting-out action and superior sudsing ability. It cleans well even in cold water, rinses easily and completely. In addition **BERNITE AR** has excellent sequestering action and is most effective under hard water conditions. It is ideal for manual cleaning or for tank immersion.

BERNITE AR is safe and non-toxic to personnel and does not attack clothing, mops or brushes.

This economical-to-use detergent finds wide application in pharmaceutical, food, meat, poultry and egg processing plants as well as dairies, bakeries, bottling plants, breweries, distilleries and wineries.

BERNITE AR contains ingredients 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 4 to 16 ounces per gallon of room temperature water for most applications. The higher concentrations can be used for heavier and more resistant soils.

BERNITE AR is supplied as a highly alkaline concentrate. 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 AR** following a cleaning and rinsing procedure.

BERNITE AR contains the surfactant Nonylphenoxypolyethoxyethanol CAS # 68412-54-4. It has been determined that this component material is the best to identify the residue of **BERNITE AR**. The following analytical methods of determining its presence of surfactant.

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

2.) Photometric Evaluation – Evaporate rinse water to concentrate residue; dissolve in methanol; run infra red spectra and compare to standard Nonylphenoxypolyethoxyethanol spectra for identification. We will supply you with the above raw material to allow you to develop those standards that would be considered acceptable.

BERNITE AR

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.