

# Bernite AR

Bernite AR is a versatile liquid cleaner formulated to remove dirt, oily soils, and grease from a wide variety of hard surfaces. This includes 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 foaming 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."

## Features & Benefits

Hard water stable	Maintains foaming ability for effective particle soil removal
Effective in cold water	Saves energy
USDA approved raw materials	Can be used where USDA approval is required

## Operating Conditions

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.

### Analysis of Residual Bernite AR following A Cleaning and Rinsing Procedure

Bernite AR contains the Surfactant NP-9, 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/cm<sup>2</sup>) 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 NP-9 Spectra for identification. We will supply you with the above raw material to allow you to develop those standards that would be considered acceptable.

## Waste Disposal

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

## Caution

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.

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.

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## Our people. Your problem solvers.

For more information on this process please call us at

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