



## Product Bulletin

Better Chemistry. **Better Business.**

### **Bernite 136**

**Product Code: 2810012**  
**Revised Date: 08/24/2007**

### **Bernite 136**

This dry powdered alkaline product mixed with room temperature water will serve two purposes: a) neutralize the surface of the metal; and b) develop a protective coating against oxidation and corrosion.

**Bernite 136** is used primarily as temporary protection of metal parts during in-plant operations. It is effective for six months to a year depending upon the exposure of the parts to high humidity or high concentration of acid fumes. For those brazed parts that are prone to rusting and are stored or delayed in their subsequent operation, **Bernite 136** offers effective rust protection. The protective film will not interfere with subsequent welding, brazing, soldering, plating or painting operations and could be washed off with hot water. This film is stable at temperatures up to 600°F.

**Bernite 136** is supplied as a dry white crystalline powder which is mixed in the ratio of 4 ounces per gallon of cold water. The metal parts to be protected are merely immersed for a few seconds in a solution of **Bernite 136** and allowed to air dry. This solution is non-toxic, non-fuming and non-corrosive and can be used in any type of metal or plastic container with the exception of aluminum. It is a highly alkaline material and any acid media (e.g. BERNITE 45) introduced into this solution will tend to weaken its effectiveness. Therefore any metal coming from an acid solution must be thoroughly rinsed before immersion. Care must be given to prevent "carry-over" into the **Bernite 136** solution. The solution must be maintained at a pH no lower than 10 and simple additions of the powder can bring the solution back to optimum strength.

### **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.