



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.

Features & Benefits

Effective at low concentrations	Low process cost
100% active	Lower inventory footprint

Operating Conditions

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 at 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.

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.

Tanks should be stainless steel, steel, or Polyethylene.



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Our People. Your Problem Solvers.

For more information on this process,
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Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**¹³⁶.