



Better Chemistry. **Better Business.**

### **Bernite Flux Detection Kit**

**Product Code: 2900054**  
**Revised Date: 05/09/2006**

### **Bernite Flux Detection Kit**

**Bernite Flux Detection Kit** will easily and quickly identify the presence of flux residues following brazing by means of indicating the relative concentration of fluorides that remain at the joint area. There is an instantaneous and distinct color change of the reagent solution so that the brazing operator can determine the efficiency of his flux removal procedures.

Residual brazing flux has been known to create problems in subsequent metal finishing such as electroplating or painting operations. In areas of high humidity, corrosion from the flux reaction may occur around the brazed joint. Such corrosion is objectionable from an appearance standpoint and in rare instances where the corrosion is severe, a weakened joint or even joint failure may result. Thus it is vital to know that the flux cleaning operations completely remove this residual flux.

**Bernite Flux Detection Reagent** has been formulated to target specifically on fluorides found in most brazing fluxes. Laboratory evaluations have shown that the Reagent is sensitive to a minimum of 10 micrograms (.00001 gram) of fluorides in a square inch area. At this level there is a faint but detectable color change. At the level of 25 micrograms (.00025 gram) of fluorides in a square inch there is a definite and distinct color change.

### **METHOD OF USE**

1. Place 5 drops of Reagent on a clean glass slide.
2. Moisten tip of applicator stick with Reagent.
3. Touch moistened stick to the brazed joint.

### **RESULTS OF TEST**

If the joint is completely clean and free of flux there will be NO color change on the tip of the applicator stick. However, if flux is present the brown cotton tip of the stick will turn stark white.

In addition, Hubbard Hall Inc. is actively selling Bernite 45. This product has had an excellent history of being a very efficient cleaning agent for the removal of flux and heat scale.



## Product Bulletin

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### 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.