



Brite Dip 4

Product Code: 2380001
Revised Date: 03/17/2009

Brite Dip 4

DESCRIPTION

A chemical polishing product, **Brite Dip 4** is a viscous mixture of concentrated acid for brightening and chemically polishing copper and copper based alloys.

FEATURES AND BENEFITS

- Excellent polishing and smoothing action
- Long use life provided water drag-in is kept to a minimum
- Slow rate of metal removal
- Contains no chromic acid
- Less fuming than sulfuric/nitric bright dips
- No residual passive film to inhibit electroplating
- Used at room temperature

TYPICAL APPLICATIONS

- Brightening and chemically polishing of copper alloy components such as fasteners, valves, and wire.
- Prepare surface for electroplating
- Deoxidize copper alloys

HOW TO USE

Use as received to immerse and agitate the parts for 1 - 3 minutes, depending on the condition of the parts before dipping and the desired results. Before dipping, parts should preferably be as chemically clean as before electroplating, but degreasing is adequate, although some shortening of



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bath life may be expected. Temperature should be kept below 90F for best results. For heavy production, some form of cooling may be required.

Following the dip, rinsing must be thorough to remove the viscous acids remaining on the parts. For subsequent electroplating or water-dip lacquering, no further treatment is required. If the parts are to be dried, a further dip in Quik-Dri 1000 will insure spot free drying and will aid in the tarnish prevention.

CONTROL

Control of **Brite Dip 4** is generally visual. Excessively long dip times or lack of brightening indicate the solution is losing strength. Drag-out should be replaced with full strength **Brite Dip 4**. For longer life, drag-out should be controlled by adequate draining before rinsing, and drag-in of water should be kept at a minimum.

EQUIPMENT

Tanks should be of stainless steel (304, 316, 317, & 347) PVC, stoneware or lined with polypropylene. Stainless steel baskets or containers and adequate ventilation are recommended.

CAUTION

Brite Dip 4 is a mixture of concentrated acids and the normal safety precautions for handling such acids apply. Avoid skin, eye and oral contact. Wear protective clothing, gloves and goggles when handling the product. Flush exposed areas immediately with clean, cold water. Contact a doctor immediately in case of injury.

WASTE DISPOSAL

Discharge to a disposal system. In order to be completely informed on the latest regulations for your area, please contact the local authorities.

The precipitated metallic salts should be treated as hazardous waste.

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.