Brite Dip Acid

Brite Dip Acid is a pre-mixed nitric and sulfuric acid-based system designed for the brightening, cleaning, and mild pickling of brass, copper, copper-based alloys, and nickel-silvers. Formulated to produce high brightness with a minimum tendency to etch, Brite Dip Acid is an economical system for preparing brass prior to plating, for removing light tarnish and heat scale, for restoring old and weathered copper alloys, and for producing a uniform, bright finish on all copper alloys.

Features & Benefits

Ready to use	Safer No need to handle individual concentrated acids

Operating Conditions

For proper bright dipping and for consistent and controlled and correct processing cycle must be used. A recommended system is as follows:

1. Degrease; this may be accomplished by any of the normal cleaning procedures i. e. alkaline soak or electro-cleaning, solvent or emulsion cleaning, vapor degreasing, etc. Consult your Hubbard-Hall technical service representative for recommendations.
2. Running water rinse.
    a. Descale; required for parts having excess solder, heavy heat or fire scale, etc.
    b. Running water rinse.
3. Brite Dip Acid 10 to 35 seconds at 75 to 90°F, full strength (use as received).
4. Running water rinse.
5. Steps 3 and 4 should be repeated until desired brightness is produced on parts.
6. Running water rinse.
7. Drying, plating or other subsequent cycles.

Note: Heat is generated during bright dipping. To avoid excessive metal removal, fuming, etching, and non-uniformity of finish, the temperature of the Brite Dip Acid bath should not exceed 95°F. The bath, where necessary, can be cooled by means of Stainless Steel cooling coils or by having the Brite Dip Acid tank placed in the cold running water rinse tank.

<u>Control</u>
Replenish tank level with fresh Brite Dip Acid. Utilize solution until it no longer produces the desired finish. When finish becomes unsatisfactory or requires excessive number of dips to produce, discard Brite Dip Acid bath.

Equipment
Brite Dip Acid tank and rinse tanks should be constructed of 300 series Stainless Steel, earthenware, fiberglass or rigid polypropylene. Cooling coils, where required, should be 300 series Stainless Steel.

Important: Being a nitric acid-based solution, Brite Dip Acid produces nitrous oxide fumes during operations. These fumes should be ducted and exhausted. Where required, fume scrubbers should be included in the exhaust system. Ducting, exhausting and fume scrubbing equipment should be constructed of acid resistant material such as 300 series Stainless Steel, fiberglass, PVC, polyethylene or polypropylene.

Waste Disposal

Your Hubbard-Hall technical product specialist can assist you in evaluating disposal options.

Caution

Brite Dip Acid is a corrosive acid mixture. Mixture causes acid burns, produces hazardous nitrous gas vapor which may be poisonous. Do not breathe vapor, do not get solution on skin or in eyes. In case of contact with skin, flush affected area thoroughly with water; for eyes, flush with water for 15 minutes and obtain medical attention. Read appropriate Safety Data Sheet prior to using this product.

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.

Our people. Your problem solvers.

For more information on this process please call us at
1-800-648-3412
or techservice@hubbardhall.com

Cleaning the Hard to Clean
Finishing the Hard to Finish
Treating the Hard to Treat