

# Brite Dip 4

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 & Benefits

Controlled action	Less reject; higher productivity
Fast action	High productivity
Used at room temperature	Lower energy cost; lower process cost

## Typical Applications

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

## Operating Conditions

### How to use

Use as received to immerse and agitate the parts for 1 to 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 bath life may be expected. Temperature should be kept below 90°F 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 water sheading product should be considered to insure spot free drying and aid in the tarnish prevention. A Hubbard-Hall representative can assist with product recommendations



### 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:** HUBBARD-HALL INC. IS NOT RESPONSIBLE FOR THE MISUSE, MISAPPLICATION, OR MISHANDLING OF THIS PRODUCT. SEE THE TERMS AND CONDITIONS OF SALE ON OUR WEBSITE FOR ADDITIONAL TERMS AND CONDITIONS CONCERNING OUR PRODUCTS, INCLUDING BUT NOT LIMITED TO, LIMITATIONS AND DISCLAIMERS OF WARRANTIES AND LIABILITIES.

---

## Our People. Your Problem Solvers.

For more information on this process,  
please call us at 203.756.5521 or email: [techservice@hubbardhall.com](mailto:techservice@hubbardhall.com)

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**<sup>136</sup>.