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Product Bulletin

Product Name: Micro Dip 9000
Product Code: 2380004
Revision Date: April 29, 2025

Micro Dip 9000

Micro Dip 9000 is a viscous mixture of concentrated acids for brightening and chemically polishing copper and copper-based alloys.

Features & Benefits

Used at room temperature	Low energy cost
Controlled rate of reaction	Less reject and re-work
Fast acting	High productivity

Physical Data

Specific gravity	1.09
Solubility in water	Complete
Appearance and odor	Light amber, clear, mild odor
pH 10% solution	1.0 – 2.0
pH concentrate	< 1.0

Operating Conditions

Use as received to immerse and agitate the parts for 20 seconds 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 drying aide/water shedder* will ensure spot free drying and will aid in the tarnish prevention.

*Consult your Hubbard-Hall technical service representative for recommendations.

Control

Control of Micro Dip 9000 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 Micro Dip 9000. 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.

Waste Disposal

Micro Dip 9000 is a mixture of concentrated strong acids. Neutralization with strong bases should be done very slowly after dilution with water. Recommended waste disposal procedure:

1. Dilute spent Micro Dip 9000 bath at a ratio 10:1 (water-spent Micro Dip 9000).
2. Raise pH slowly with a sodium hydroxide solution to 8.5.
3. Filter and check for metals.
4. Hubbard-Hall's Aquapure P-601 can be used to remove any residual metals in solution, if necessary.

To be completely informed on the latest regulations for your area, please contact the local authorities.

Caution

Micro Dip 9000 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.

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For more information on this process,
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