

PLATING PRODUCTS IND PVT LTD

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Technical Data Sheet

BRASS ELECTROPOLISHING

Electropolishing Process For Copper and Lead Brass

Brass Electropolish is an anodic polishing process which accelerates the brightening action. It does not contain Nitric or Chromic acids or chromates and is environmentally safe. It does not contain chelaters or complexers, simplifying waste treatment. It is supplied as ready to use solution.

Brass Electropolish is specifically designed to work on leaded brass and on tin/lead soldered areas where it offers a more uniform finish and minimized white powdery deposit of the insoluble lead onto the brass surface.

Brass and copper parts should be thoroughly cleaned prior to the **electropolishing**. **Soak Clean M55** is an ideal cleaner for this purpose.

EQUIPMENT

Polypropylene tanks are best suited for use with Brass Electropolishing. Teflon coated heaters are recommended. Do not use stainless steel, quartz or titanium heaters.

Good exhaust ventilation with positive air flow over the tank is highly recommended for large tanks of **Electropolishing**. Smaller solution volumes should be operated in well ventilated areas.

OPERATION

1. **Soak Cleaning**
Time: 5-10 minutes
2. **Cold water rinse**
3. **Neutralise with neutralising salt**
4. **Cold water rinse**
5. **Brass Electropolishing**.

pH : 7 – 7.5
Temperature : 55 – 60°C
Current Density : 100 A/Sqft
Voltage : Above 9 volts
Cathode : Inert cathode (Lead, graphite, S.S)
Vigorous cathode Movement required

6. **Cold water rinse**
7. **Hot water rinse**
8. **Anti Tarnish with Cu 556**
9. **Forced air or spin dry**

Note: . Use of ultrasonic in the final hot water rinse helps to further remove the white residue.

CAUTION

Avoid contact with eyes, skin and clothing. Wear eye protection (glasses, goggles or face shield), protective rubber gloves and aprons, when preparing solutions and while working with the solutions. The **Brass Electropolish** solution is toxic if taken internally.

Do not work with the **Brass Electropolish** solution or other materials without first reading and understanding the **MATERIAL SAFETY DATA SHEET** furnished by **PPI**.

PACKAGING

(5) and (35) litre non-returnable containers.

IMPORTANT NOTICE! For Industrial Use Only

The following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose: seller's and manufacturer's only obligation shall be to replace such quantity of the product as proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. **Neither seller nor manufacturer shall be liable either in tort or in contract for any loss or damage, direct, incidental or consequential, arising out of the use or the inability to use the product.**

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