



Acid Salt PB

Product Code: 2541007
Revised Date: 01/26/2009

Acid Salt PB

DESCRIPTION

Acid Salt PB is a water-soluble, dry acid salt developed for pickling lead brass, bronze alloys and other tin-lead alloys in electro plating cycles. **Acid Salt PB** prevents reformation of tin and lead oxides on the lead bearing alloys thus promoting maximum adhesion of the nickel plate to the leaded brass alloys.

Acid Salt PB is recommended as the acid for use on leaded brass to overcome a problem of poor adhesion which is commonly encountered when such acids as sulfuric, hydrochloric acid, or certain acid salts are used.

Note: **Acid Salt PB** is not restricted to use on copper, bronze and brass alloys, it may be used as a cleaner-conditioner in processing ferrous alloys to remove scales and soils which are insoluble in conventional acids or acid salts.

FEATURES AND BENEFITS

- Inhibits the formation of tin and lead oxides
- Can be made up using tap water
- Promotes maximum adhesion of nickel plate by removing oxides on leaded brass
- Free flowing powder for easy make up
- Economical

TYPICAL APPLICATIONS

- For use in plating shops for pickling lead brass and bronze alloys.
- In plating shops where tin oxide is a problem, PC shops doing tin plate
- In job shops to remove scale on ferrous alloys where traditional acids won't remove scales and soils



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Acid Salt PB should function at room temperature. However, there will be instances due to limited process time or amount of scale that require the **Acid Salt PB** to be operated at the higher temperatures.

CONTROL PROCEDURE

TEST KIT

factor: 0.45(oz/gal.)

factor: 3.4 (gms/l)

Use 1/2 ml sample and fill bottle 1/4 full of water, add 5 to 10 drops of phenolphthalein indicator. Add N-72 dropwise to a definite pink end point.

CONCENTRATION OF ACID SALT PB = FACTOR X DROPS OF N-72 SOLUTION

TITRATION PROCEDURE

factor: 0.86 (oz/gal.)

factor: 6.45 (gms/l)

1. Pipette 10 ml sample into a 250 ml erlenmeyer flask.
2. Add 50 mls of water.
3. Add 3 to 4 drops phenolphthalein indicator.
4. Titrate with 1.0N sodium hydroxide until the solution becomes pink in color.
5. Record mls 1.0 N sodium hydroxide used.

CONCENTRATION ACID SALT PB = FACTOR X MLS 1 N NAOH SODIUM HYDROXIDE

CAUTION

Acid Salt PB is an acidic product. Avoid contact with skin and eyes. Wear goggles and rubber gloves when handling the product. Flush exposed areas immediately with clean, cold water. In case of injury, contact a doctor immediately.



Product Bulletin

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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.

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.