Product Bulletin
Product Name: Acid Brite 340
Product Code: 2541058
Revision Date: December 14, 2023

Acid Brite 340

Acid Brite 340 is a liquid acid salt and activator used to replace most mineral acids used for pickling and surface activation in plating operations. Acid Brite 340 was developed to work on a wide range of metals with or without current. It will produce a smut free, active metal surface on: steel, zinc, brass, copper, nickel, aluminum, pewter, Kovar, and Invar. Unlike other acid salts, Acid Brite 340 is easy to use and does not require dissolving salts. It is ready to use as soon as it is in the tank.

Features & Benefits

Versatile	Used on multiple substrates; Purchase and store one product
Non-fuming	Safer work environment
Use with current	Fast smut free deoxidation of brass and copper; Higher productivity

Physical Data

Color	Colorless
Clarity	Clear
Specific gravity	1.26

Operating Conditions

Steel Surfaces

Concentration	25% – 50% (Vol)
Temperature	Ambient
Time	30 sec – 2 min

Non-Ferrous

Concentration	5% – 25% (Vol)
Temperature	Ambient - 120°F
Time	15 sec – 2 min

Cathodic Operation

Current Density	60 Amps/ft^2 (optimum) Range: 50 – 100 Amps/ft^2 5 – 10 Amps/dm^2
Voltage	6 Volts Range: 2 – 6 Volts
Time	30 sec – 2 min

Equipment

Tanks	Lined tanks are required. For ambient temperature use rubber, PVC, Polyethylene, or Polypropylene. Koroseal linings are recommended for temperatures up to 150°F.
Heating coils	Karbate or Graphite is recommended
Electrodes	Graphite is recommended
Ventilation	Required for heated solutions or when using current

Titration Method

1. Add 50 mL of distilled water to a 300 mL Erlenmeyer flask.
2. Add a 10 mL sample of the working bath to the flask with the DI water. Swirl to mix.
3. Add 5 to 7 drops Phenolphthalein indicator to the flask.
4. Titrate against 1.0 N NaOH, swirling to mix to a pink color that lasts for 30 seconds.
5. Record mL used.

Calculation

Concentration = mL 1.0 N NaOH x 2.78

Caution

Acid Brite 340 contains fluorides. Refer to SDS for further safety and handling information.

Product Bulletin

Product Name: Acid Brite 340
Product Code: 2541058
Revision Date: December 14, 2023

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 203.756.5521 or email: 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**[136].