



Better Chemistry. **Better Business.**

**Acid Brite 340**

**Product Code: 2541058**  
**Revised Date: 01/18/2008**

**Acid Brite 340**

**Acid Brite 340** is a liquid acid salt / 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**

- Liquid concentrate
- Works on a wide variety of metals
- Works on castings as well as extrusions
- Longer stable bath life
- Wide operating range
- Can be used cathodically on brass and copper for a smut free finish

For steel surfaces: use at 25% - 50% vol., room temp., 30 sec-2 min.

For non-ferrous surfaces: use at 5% - 25%, room temp to 120 degrees, 15 sec. - 2 min.

For cathodic operation:

Current density: 60 Amps per square ft. ( optimum), range: 50 to 100 A/ sq. ft.( 5-10A/ sq. dm)

Voltage: 6 volts range: 2 to 6 volts

**PHYSICAL PROPERTIES**

Color colorless.....Colorless  
 Clarity.....clear  
 Sp. Gr.....1.26

**ANALYSIS OF ACID BRITE 340**

Equipment Needed:

10ml graduated cylinder

25 ml buret



## Product Bulletin

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1.0 N NaOH standard solution  
300 ml Erlenmeyer flask  
phenolphthalein indicator  
50 ml distilled water

- 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.
- 3.) Swirl to mix.
- 4.) Add 5-7 drops phenolphthalein indicator to the flask. Titrate against 1.0 N NaOH, swirling to mix to a pink color that lasts for 30 seconds. # of mls NaOH = V

### CALCULATION

% / vol. Acid Brite 340 =  $V \times 2.78$

Where V is the titration volume obtained above in step #4.

### EQUIPMENT

Tanks: Lined tanks are required. For ambient Temperature use; rubber, PVC, polyethylene or polypropylene is recommended. Koroseal linings are recommended for temperatures up to 150 degrees.

Heating coils: Karbate or Graphite is recommended

Electrodes: Graphite is recommended

Ventilation: Required for heated solutions or when using current

### CAUTION

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

### 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.