



ZNBRITE™

ABZ-474 LCD

- *Produces outstanding low current density areas.*
- *Works in any zinc/caustic formulation.*
- *Eliminates the need for auxiliary anodes.*
- *Does not interfere with deposit qualities.*
- *Stable in the process tank.*
- *Low operating costs.*

LOW CURRENT DENSITY ENHANCER FOR ALKALINE NO-CY ZINC

ABZ-474 LCD is a specially formulated additive specifically designed to be used with the **ZNBRITE ABZ-470 ALKALINE NON-CYANIDE ZINC PLATING TECHNOLOGY**. It is used to provide additional deposit brightness and brilliance in ultra low current density areas. It can also be utilized in most competitive alkaline non-cyanide baths to enhance performance

Under normal operating conditions, the **ABZ-477 BRIGHTENER** will provide and maintain very satisfactory low current density deposits. However, in certain circumstances, such as unusual part configurations, this addition agent is added to boost low current density and overall bath performance. In many cases, it can eliminate the use of auxiliary anodes and special racking and handling.

ABZ-474 LCD is designed to provide stability and low operating costs. It is ideal for rack or barrel applications with excellent deposit color and characteristics.

ABZ-474 LCD when used as directed can be utilized in a wide range of metal and caustic concentrations without blistering or peeling.

OPERATING DATA

Normal additive consumption for most installations is:

1 gallon of **ABZ-474 LCD** for every 18,000-24,000 amp hours.

High concentrations can cause skip plating, hazes in the mid to low current areas and poor bath performance.

Under normal operating conditions, the **ABZ-ALKALINE NO-CY BRIGHTNERS** or **MAINTENANCE** additives will maintain the proper bath balance and offer unparalleled performance. The use of **ABZ-474 LCD** should only be upon the recommendation and under the supervision of the **A BRITE TECHNICAL SERVICE CENTER** or your **A BRITE REPRESENTATIVE**.

STORAGE/HANDLING

Store in cool, dry area. **ABZ-474 LCD** is an industrial chemical and should be handled with caution. Wear protective clothing, face shield, rubber boots, gloves and apron. In case of contact with skin and eyes, flush with large volumes of water. **Refer to the Material Safety Data Sheet for more complete information before using this product.**

MATERIAL SAFETY DATA SHEETS

Material Safety Data Sheets (M.S.D.S.) are readily available on this product. It is strongly recommended that all personnel thoroughly read and understand the information contained in both the Technical Data Sheet and the Material Safety Data Sheet before using this product.

WARRANTY

The information presented herein, while not guaranteed, is to the best of our knowledge, true and accurate. No warranty or guarantee, expressed or implied is made regarding the performance of any products, since the manner of use is beyond our control. No suggestion for product use nor anything contained herein, shall be construed as a recommendation for its use in infringement of any existing patent, and we assume no responsibility or liability for operations which do infringe any such patents. The above includes confidential and proprietary information of **A BRITE COMPANY, Inc.**, and is furnished to you for your use solely on products or processes supplied to you by us.