



NIBRITE NICKEL LEVELER™

- ***Use in index, nickel-iron, or standard bright nickel baths.***
- ***Improves leveling and brightness.***
- ***No negative effects on the deposit.***
- ***Use in rack or barrel applications.***
- ***Where ultimate in leveling is desired.***
- ***Can be utilized with any brightener system.***

NICKEL LEVELING ENHANCER

LEVELER is a highly concentrated, liquid material designed to vastly improve the leveling and brightness of all types of bright nickel and nickel-iron plating process. It can be utilized in both **A BRITE NICKEL PROCESSES** and competitive processes without adversely affecting the physical properties of the deposit.

LEVELER can be used in both rack and barrel, air or mechanically agitated solutions.

LEVELER also improves the performance of processes that operate at low concentrations and/or low temperatures. It also works well in baths utilizing an index type material.

LEVELER is the ideal product to use on parts that must be polished or buffed before plating, where tough to level parts are plated or poor leveling bright nickel processes are utilized. It provides the ultimate in leveling and brightness in all applications.

OPERATING DATA

NIBRITE LEVELER

0.075-0.25% by volume.

The initial addition should be 0.75-0.15% by volume and should be sufficient to improve the leveling capability of air agitated solutions. Mechanically agitated solutions require a slightly higher addition to achieve the same performance. If the concentration of the brightener is higher than normal, make additions in small increments over a period of several hours.

REPLENISHMENT

LEVELER is stable in idle solutions, including those maintained at operating temperatures during shutdown. It is consumed only through drag-out and electrolysis. Additions should be made at the rate of:

1 gallon of NIBRITE LEVELER every 10,000-15,000 amp hours
(1 liter per 2650-4000 amp hours)

A small excess does not have any negative effect, however a large excess can produce dull low current density areas.

STORAGE/HANDLING

NIBRITE LEVELER is stable and has long shelf life. Store in a dry area and keep from freezing. It is a near neutral liquid and safe to handle, however it is used in solutions that contain acidic, nickel bearing materials. Always wear proper protective clothing, rubber gloves, boots apron and face shield. **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** and is furnished to you for your use solely on products or processes supplied to you by us.