



# ***BRITEGUARD™***

## ***AF-5***

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- ***Reduces ventilation requirements.***
- ***Reduces acid drag-out.***
- ***Promotes safer working conditions.***
- ***Reduces waste treatment loading.***
- ***Reduces heating costs.***
- ***Easy and economical to use.***
- ***Safe in all chrome & anodize baths.***

### **MIST AND FUME SUPPRESSANT FOR ALL MULTIPLE APPLICATIONS**

***BRITEGUARD AF-5*** is a highly concentrated liquid product used in chromic acid baths, chromic acid anodize and sulfuric acid anodize that creates and maintains a foam blanket that prevents acid mist and noxious fumes from entering the atmosphere.

***BRITEGUARD AF-5*** lowers surface tension of the chromic acid bath, effectively reducing drag out of solution. This reduces chromic acid loss and contamination of the following rinses. Waste disposal problems are reduced by keeping the solution in the process tank.

***BRITEGUARD AF-5*** can be utilized on decorative chrome, hard chrome, chromic or sulfuric anodize, or acid pickles without any detrimental effect on the bath or the work itself. In addition, it promotes safer working conditions for employees.

# **OPERATING DATA**

## **Chrome Plating**

**BRITEGUARD AF-5**

**1 part AF-5 diluted with 5-15 parts water.**

Initial additions of **BRITEGUARD AF-5** is 1 ounce working solution per square foot of exposed chrome solution. If the foam blanket is insufficient, make small additions of **BRITEGUARD AF-5** until the foam reaches desired height. A working solution is prepared by mixing one part of **BRITEGUARD AF-5** with 5-10 parts water.

## **Anodizing**

**BRITEGUARD AF-5**

**0.025-0.75%/ vol\*.**

Initial additions of **BRITEGUARD AF-5** (suggested at 0.025%) will reduce surface tension of a typical anodize bath and develop a foam blanket. \*Additional amounts may be required depending upon shop conditions and the depth of the foam blanket desired. Loss of **BRITEGUARD AF-5** is only achieved by dragout.

**BRITEGUARD AF-5** is very effective over a wide range of concentrations in an operating solution. No analytical control is necessary. The need for maintenance additions can be determined by observing the foam blanket on the solution. Height and consistency of the foam blanket varies with surface area of the tank and electrical current distribution. **BRITEGUARD AF-5** can be added as needed to maintain optimum results.

## **STORAGE/HANDLING**

Keep from freezing. If product does freeze, a partial separation of components may occur. Allow container to stand for at least 8 hours at room temperature and shake the container to bring the materials back into solution.

**BRITEGUARD AF-5** is a near neutral liquid that is safe to handle. However, the solutions in which it is used contain chromic acid. Avoid contact with skin and eyes. Wear proper protective clothing and face shield. In the event of contact, flush with water. **Refer to the Material Safety Data Sheet for more complete information.**

## **WASTE TREATMENT**

Spent solutions and normal effluents generally require treatment prior to discharge. **A BRITE** has a staff of trained professionals to assist in the proper disposal of this or any metal finishing material.

## **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** and is furnished to you for your use solely on products or processes supplied to you by us.