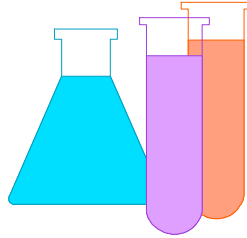


HSC

Howard Supply Company, Inc.



TECHNICAL BULLETIN

Alum-Etch “D”

This product is a specially formulated etchant for aluminum. It is a white, uniform and free-flowing compound. Readily soluble in water, it is non-dusting and does not cake under normal storage conditions. It is strongly alkaline to allow rapid etching, and contains agents for scale prevention. Outstanding performance under a wide variety of conditions is assured.

Alum-Etch “D” produces a uniform etch, or a satin finished surface. Etched surfaces have a much finer grain than can be obtained with straight caustic materials.

Etching Conditions:

Concentration: Four to eight ounces per gallon

Temperature: Room to 180 degrees F.

*The degree of etch is dependent upon concentration, temperature and time of etching cycle. An increase or decrease in any of these factors results in a corresponding increase or decrease in the etch.

Procedure:

Where aluminum is lightly soiled and known not to have been heat treated, the following sequence may be used:

1. Pre-clean w/ HS #27 Soak Cleaner
2. Rinse
3. Alum-Etch “D”
4. Rinse
5. De-smut in Aluminum Deoxidizer
6. Rinse

To make a new bath, fill tank halfway with water. Heat to 100 degrees F. Slowly, add required amount of Alum-Etch “D” while agitating with air or mixers. Use an ordinary steel tank. For heating, use steel coils or steel immersion heaters where high temperatures are involved.

Always wear protective clothing when handling corrosive materials.