



# Technical Product Bulletin

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## **TURCO AE17**

A NEW, LOW COST, SLUDGE FREE ALUMINUM ETCHANT

### **DESCRIPTION:**

**TURCO AE17** is an off-white, free-flowing granular material which dissolves quickly in water, and is designed for use in heated immersion tanks on all aluminum alloys. **TURCO AE17** etches aluminum chemically through the formation of soluble sodium aluminate. It contains ingredients, which minimize sludging and scale formation. It provides an ideal surface for anodizing, conversion coating, or other surface treatments for aluminum

### **FEATURES:**

**TURCO AE17** offers these features:

1. Produces a fine etch, softening reflections and leaving a satin finish
2. Achieves desired results with less aluminum removal and lower chemical consumption
3. Reduces the deposit of scale or sludge in etching tanks

### **USE INSTRUCTIONS:**

Recommended etching cycle:

1. Preclean in a suitable aluminum cleaner, such as 4215 NC-LT or LIQUID SPRAYEZE NP-LT, to remove soils, which may obstruct etching.
2. Water rinse (preferably warm).
3. Etch in **TURCO AE17**, using an appropriate concentration to produce the degree of etch desired (7.5 to 90 g of **TURCO AE17** per liter of water). To maintain **TURCO AE17** non-sludging characteristics, a minimum charge of 7.5 g/L of water is required. While **EA17** solutions are effective at temperatures from 20° to 85°C, the recommended range for best results is 60° to 75°C.
4. Water rinse (preferably warm).
5. To clean the etched surface of alloying elements, which are insoluble in alkali, desmut with a solution of Aldox V. For brazing or casting alloys, consult your Henkel Surface Technologies Sales Representative for a proper recommendation.

**DISPOSAL INFORMATION:**

Dispose of spent solution per local state and regional regulations. Refer to Henkel Surface Technologies MATERIAL SAFETY DATA SHEET for additional disposal information.

**CAUTION! Contact may cause severe burns to skin and eyes.**

**EA17** contains strong alkali. Avoid contact with eyes and skin. Do not take internally. In case of contact immediately flush skin with plenty of water. For eyes, flush with water for at least 15 minutes and get medical attention.

Before using this product refer to container label and Henkel Surface Technologies MATERIAL SAFETY DATA SHEET for additional precautionary, handling and first aid information.

**NOTICE:**

The above information and recommendations concerning this product are based upon our laboratory tests and field use experience with this or similar products. However, since conditions of actual use are beyond our control, any recommendations or suggestions are made without warranty, express or implied. Manufacturer's and seller's sole obligation shall be to replace that portion of the product shown to be defective. Neither shall be liable for any loss, damage, or injury, direct or consequential, arising out of the use of this product.

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