

# BONDERITE C-AK 6849 AERO

## AQUEOUS ALKALINE DEGREASER

(KNOWN AS TURCO 6849)

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Distributed by:  
Rudolph Bros. & Co.  
6550 Oley Speaks Way  
Canal Winchester, OH 43110  
Phone: 614-833-0707  
Fax: 800-600-9508  
e-mail: [rbcsupport@rudbro.com](mailto:rbcsupport@rudbro.com)  
[www.rudbro.com](http://www.rudbro.com)

### INTRODUCTION

BONDERITE C-AK 6849 AERO (known as TURCO 6849) is a clear aqueous alkaline degreaser formulated to remove shop soils, marking inks, cosmoline, grease and lube oils from ferrous and non-ferrous alloys. BONDERITE C-AK 6849 AERO offers both exceptional effectiveness and exceptional tank life.

BONDERITE C-AK 6849 AERO replaces solvent type vapor degreasing fluids with an effective aqueous cleaner. The costs and hazards normally associated with chlorinated solvent cleaning are thereby greatly reduced. An additive is available to help provide exceptional cleaning on even the most difficult oily soils.

### FEATURES

- Approved to Boeing BAC 5763, Type 2
- Exceptional tank life
- Low VOC content (28 g/l)
- Passes titanium stress corrosion test per ASTM F-945
- Passes intergranular attack per BSS 7219
- Does not contain chromate or chlorides
- Passes hydrogen embrittlement test per ASTM F-519, Type 1C (10% and neat)
- Noncorrosive to aluminum, steel, copper, titanium, stainless steel, plated metals and magnesium alloys (BAC 5763, 12.2.1.)
- Passes sandwich corrosion per Boeing D6-17487

### USE INSTRUCTIONS

**Tanks:** Tanks and associated equipment may be fabricated from mild steel or stainless steel.

Add BONDERITE C-AK 6849 AERO at 10 to 20% by volume to water, for immersion. Operate solution from 55° to 70°C, with air or mechanical agitation.

**Rinsing:** Rinse with hot or cold water. Warm water is preferred.

### CONTROL

#### Apparatus:

1. pH Meter
2. 205402 - Beaker, 250 mL
3. 205945 - Pipet, 25 mL
4. 205700 - Buret, 25 MI

#### Reagents:

1. 205220 - Titrating Solution 20 (0.1N Sulfuric Acid)
2. 205002 - Indicator 2 (Bromocresol Green)



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**Procedure:**

1. Obtain a sample from the tank and cool to room temperature.
2. Pipet 25 mL sample into a 250 mL beaker containing 50 ml DI water.
3. Titrate with TS 20 to pH 4.
4. If pH meter is not available add 5-8 drops of Indicator 2. Titrate with TS 20 until the color of the solution changes from blue green to yellow.

**Calculation:**

mLs of TS 20 X 0.63 = % BONDERITE C-AK 6849 AERO (using Indicator 2)

mLs of TS 20 X 0.55 = % BONDERITE C-AK 6849 AERO (using pH meter)

**Maintenance:**

Maintain bath concentration within recommended range by adding fresh materials

**Recommended Concentration:** 10 -20%

Laboratory experience indicates that BONDERITE C-AK 6849 AERO has a high capacity for soils. The time between recharging will vary and is dependent upon the work and the amount of soil removed.

**DISPOSAL INFORMATION**

Dispose of spent solution per local, state and regional regulations. Refer to your HENKEL MATERIAL SAFETY DATA SHEET for additional disposal information.

**PRECAUTIONARY INFORMATION**

BONDERITE C-AK 6849 AERO is considered to be a relatively nonhazardous industrial cleaner. However, as in the case of any chemical compound, avoid contact with eyes, skin and clothing. Do not take internally. Use with adequate (equivalent to outdoor) ventilation.

Protective clothing such as a chemical face shield or goggles and gloves, boots and apron made from alkali-resistant materials, should be worn by using personnel. A NIOSH approved respirator equipped with a mechanical filter should be worn during mist conditions.

Store in closed containers away from excessive heat or direct sunlight.

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

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Henkel Corporation | 32100 Stephenson Highway | Madison Heights, MI 48071  
PHONE: (248) 583-9300 | FAX: (248) 583-2976 | [www.henkeln.com/](http://www.henkeln.com/)

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