

BONDERITE C-AK 6849 AERO

Known as Turco 6849

August 2016

PRODUCT DESCRIPTION

BONDERITE C-AK 6849 AERO provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Aqueous Alkaline Degreaser
Application	Parts Cleaning

BONDERITE C-AK 6849 AERO 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.

Special 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

DIRECTIONS FOR USE

Preliminary Statement:

Prior to use it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Application:

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 mL

Reagents:

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

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:

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

mL 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 to 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.

Caution:

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.

Storage

Recommended Storage Temperature, °C	-5 to 40
Shelf-life, months (in unopened original packaging)	24

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

Classification

Please refer to the corresponding **Material Safety Data**

Sheets for details on:

- Hazards identification**
- Transport information**
- Regulatory information**

ADDITIONAL INFORMATION**Disclaimer****Note:**

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Reference **N/A**