

BONDERITE C-AK AVIATION AERO HOT SPRAY AND IMMERSION CLEANER (KNOWN AS TURCO AVIATION)

Issued
10/14/2014

INTRODUCTION:

BONDERITE C-AK AVIATION AERO (known as TURCO AVIATION) is a white granulated alkaline compound formulated for the removal of mill inks, oils, shop soils and other difficult-to-remove soils from aluminum, steel, copper, magnesium, cadmium and nickel alloys.

BONDERITE C-AK AVIATION AERO is formulated to be used in spray or immersion systems. It rinses quickly and freely.

FEATURES:

- Nonflammable in concentrate or dilute form
- Readily soluble in warm water
- Nonfoaming at recommended concentrations and temperatures
- Easy to control solution by simple titration
- Readily rinses from parts with hot water
- Designed to be used with air or mechanically agitated tanks

USE INSTRUCTIONS:

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

Spray Systems:

Mixing: Add BONDERITE C-AK AVIATION AERO to warm water at the ratio of 7.5 to 15 g/L of water. Clean parts at 70° to 75°C for 30 seconds to 2 minutes at 20 to 30 psi

Rinsing: Rinse with hot water (60° to 70°C).

Immersion Systems:

Mixing: Add BONDERITE C-AK AVIATION AERO to warm water at the ratio of 30 to 60 g/L of water. Use air or mechanical agitation. Clean parts at 75° to 85°C for 2 to 10 minutes.

Rinsing: Rinse with hot water at 75° to 85°C. Overflowing rinse or spray rinse is preferred.



**BONDERITE C-AK AVIATION AERO
HOT SPRAY AND IMMERSION CLEANER
(KNOWN AS TURCO AVIATION)**

CONTROL:**Apparatus:**

1. pH Meter
2. 205402 - Beaker, 250 mL
3. 205943 - Pipet, 10 mL
4. 205700 - Buret, 25 MI

Reagents:

1. 205220 - Titrating Solution 20 (0.1N Sulfuric Acid)
2. 205004 - Indicator 4 (Methyl Orange) if pH meter is not available

Procedure:

1. Obtain a sample from the tank and cool to room temperature.
2. Pipet 10 mL sample into a 250 mL beaker containing 100 ml DI water.
3. Add 3 to 6 drops of Indicator 4 if pH meter is not available.
4. Titrate with TS 20 to pH 4. Titrate with TS 20 until the solution changes from yellow to reddish orange when using the Indicator 4.

Calculations:

mL of TS 20 X 0.177 = oz/gal BONDERITE C-AK AVIATION AERO

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.



BONDERITE C-AK AVIATION AERO HOT SPRAY AND IMMERSION CLEANER

(KNOWN AS TURCO AVIATION)

PRECAUTIONARY INFORMATION:**WARNING! Causes eye irritation. May cause skin irritation. Harmful if swallowed.**

BONDERITE C-AK AVIATION AERO contains silicate. 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, made from alkali resistant materials should be worn when using and handling this product. A NIOSH approved respirator should be worn when handling dry powder. Transport and store in closed containers at temperature less than 60°C.

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

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

Trademark usage

Except as otherwise noted, all trademarks in this document are trademarks of Henkel Corporation in the U.S. and elsewhere. © denotes a trademark registered in the U.S. Patent and Trademark Office.

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

