

# BONDERITE C-AK 9045-6 AERO WATER BASE CARBON REMOVER

(KNOWN AS TURCO 9045-6)

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## INTRODUCTION

BONDERITE C-AK 9045-6 AERO (known as TURCO 9045-6) is a unique water base carbon remover used to remove carbon deposits and difficult to remove soils found in aircraft engines. It cleans engine blocks, pistons, carburetors, transmissions, and brake assemblies. It is an effective carbon remover for jet engine overhaul. It may also remove some paints.

## FEATURES

- Approved by **Pratt & Whitney** (SPOP 207)
- Does not contain chlorinated hydrocarbons, phenols, or chromates
- Safe on common engine alloys
- Used as received. No mixing or dilution required
- Operates at moderate temperatures, 40° to 60°C
- Can be used in Turbulators, Ultrasonic systems or other mechanically agitated tanks
- Long lasting

## USE INSTRUCTIONS

**Equipment:** Tanks may be constructed of mild steel but preferably stainless steel.

1. Preclean parts using an alkaline cleaner or steam cleaner to remove oils, grease, and loose soils. This will prolong the tank life of BONDERITE C-AK 9045-6 AERO.
2. Water rinse after pre-cleaning. Do not use solvent rinse. Introduction of solvents in BONDERITE C-AK 9045-6 AERO will decrease the carbon removing properties.
3. Immerse parts in BONDERITE C-AK 9045-6 AERO. Use light mechanical agitation to aid in carbon removing. Time required is from 30 minutes to 2 hours depending on the contaminates to be removed.
4. The preferred temperatures are 40° to 60°C. Do not exceed 60°C. **Do not over heat.**
5. Remove parts and allow excess to drain back into tank.
6. Rinse with cold or hot water. High pressure rinsings is recommended.
7. Immerse parts in BONDERITE AQUASORB (WATER DISPLACING OIL) to prevent flash rusting of steel parts.
8. Allow parts to drain without rinsing.

## CONTROL

### Apparatus:

1. Hydrometer, 1.000 -1.200
2. Cylinder, 250 mL

### Procedure:

1. Obtain a sample from the tank and cool to room temperature.
2. Pour the cooled solution into a cylinder, place a clean and dried hydrometer (approximate range 1.000 - 1.200) into the solution and allow it to come to equilibrium. Allow several minutes for this before taking the reading.

### Maintenance:

1. For every 0.005 units below 1.070, add 1 gallon of fresh BONDERITE C-AK 9045-6 AERO for every 100 gallons of Tank solution.



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- For every 0.001 units above 1.070, add 1 gallon of water for every 100 gallon of tank solution.

## TANK MAINTENANCE

The working level of BONDERITE C-AK 9045-6 AERO should be maintained with additions of fresh BONDERITE C-AK 9045-6 AERO as required. Periodically, allow the tank of BONDERITE C-AK 9045-6 AERO to settle for 24 hours. Transfer the solution to another tank and remove the accumulated sludge. Replace the solution and bring up to the working level with additions of BONDERITE C-AK 9045-6 AERO.

## DISPOSAL INFORMATION

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

## PRECAUTIONARY INFORMATION

### **WARNING! Causes eye irritation. May cause skin irritation. Harmful if swallowed.**

BONDERITE C-AK 9045-6 AERO contains higher alcohols. Avoid contact with eyes, skin and clothing. Do not take internally. Use with adequate (equivalent to outdoor) ventilation.

### **Note: VOC = 161 g/L; VOC VP = <1 mm Hg (Rule 11241)**

Protective clothing, such as a chemical face shield or goggles and gloves, boots and apron made from solvent resistant material (e.g. neoprene) should be worn when handling and using this product. A NIOSH approved respirator equipped with a mechanical filter should be worn for mist conditions.

Do not use BONDERITE C-AK 9045-6 AERO near open flames or torches since thermal decomposition may produce toxic gases. Do not store containers near strong oxidizing agents, nor above 50°C. Open containers with caution to avoid spurting of contents.

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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