

## Cee-Bee<sup>®</sup> P-109B

Cee-Bee<sup>®</sup> P-109B is a powdered material to be added to nitric acid solutions for removal of oxides and baked-on graphite from titanium and nickel alloys.

### Conforms To

- CFM
  - CP. 1066
  - S. 1226
- General Electric
  - C04-255
- International Aero Engines
  - CoMat 01-198
- Pratt & Whitney
  - SPMC 73

### Benefits

- Cee-Bee<sup>®</sup> P-109B is a powdered material alternative to hydrofluoric acid for use in Nitric/HF etch baths.
- Brightens nickel alloys.
- Passivates titanium surfaces.
- Very low hydrogen pickup by titanium.

### Properties

- White powder

### Notes Prior to Handling

Before using your Cee-Bee<sup>®</sup> products, all safety and operating instructions should be read and understood. If you have any questions, please contact your Cee-Bee<sup>®</sup> representative before proceeding.

## Use Procedure

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### Equipment Recommendation

- Cee-Bee® P-109B/Nitric acid solutions should be contained in a polypropylene or polyethylene-lined tank.

### Cee-Bee® P-109B Use Procedure

1. Prepare a 60% by volume nitric acid solution by carefully adding 60 parts 67 – 70% nitric acid to 40 parts water (add acid to water—do NOT add water to acid). Add 1.5 ounces of Cee-Bee® P-109B per gallon (11.2 g of Cee-Bee® P-109B per liter).
  - a. **Note:** Amount can be varied to obtain desired etch rate on titanium. Please refer to the OEM Standard Practice Manual for detailed instructions.
2. Immerse parts in the Cee-Bee® P-109B/Nitric acid solution at ambient temperature until oxide and/or baked-on graphite are removed.
3. Remove parts from tank and rinse thoroughly. Use air boosted water if necessary for complete removal.

## Safety, Handling, and Precautions

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- **DANGER!** Contains fluoride. Causes burns.
- Avoid all contact with eyes, skin and clothing.
- Wear face shield or goggles, rubber gloves and rubber apron.
- Avoid breathing dust. Wear face mask in area of high dust concentration.
- Do not take internally.
- May be fatal if swallowed.
- In case of accidental eye contact, immediately flood with water for at least 15 minutes. If irritation persists, seek medical attention. Remove contaminated clothing.
- When preparing Cee-Bee P-109B/Nitric acid solution, always add acid to water. If water is added to the acid, splattering may occur.

## Contact Us

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Revision: 06/2021 (Rev. A2)