

## Cee-Bee® A-651

Cee-Bee® A-651 is a light-duty, non-chromate based deoxidizer and desmutter for aluminum alloys. Cee-Bee® A-651 removes smut and oxides from the surface of aluminum while providing minimal etching.

### Conforms To

- AMS
  - AMS 1626B

### Benefits

- Contains no chromium in any oxidation state.
- Environmentally safe.
- Effectively desmuts and deoxidizes a wide variety of aluminum alloys.
- Safe for use on aluminum, mild steel, glass, acrylic plastic and paints, when used as directed.
- Eliminates costs associated with toxic chromate-based deoxidizer solutions.

### Properties

- Clear to yellow liquid
- pH less than 1

### Notes Prior to Handling

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

## Use Procedure

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1. Dilute 1-part Cee-Bee<sup>®</sup> A-651 with 4 to 5 parts water.
2. Immerse the parts in the diluted solution for 1 to 5 minutes, or until smut or discoloration is removed.
3. Rinse parts completely.

## Solution Control

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1. Pipette 5.0 ml of Cee-Bee<sup>®</sup> A-651 bath into a 250 ml beaker.
2. Add approximately 100 ml de-ionized water to the beaker and mix.
3. Adjust the pH of the solution to about 2.5 using glycine (amino acetic acid).
4. Heat solution to about 104-122°F (40-50°C).
5. Add about 4 grams of 5-Sulfo salicylic acid and stir. Solution turns a deep red color.
6. WHILE HOT, titrate with 0.05 N EDTA solution until a yellow end point is reached. The solution must be above 101°F (40°C) during the titration. If it drops below this temperature, halt the titration, re-heat the beaker, and then continue the titration.
7. Calculation:

$$\% \text{ Cee-Bee}^{\text{®}} \text{ A-651 (by volume)} = \text{ml. titrated} \times \text{EDTA Normality} \times 17.45$$

## Safety, Handling, and Precautions

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- **WARNING!** Can cause severe burns!
- Wear face shield, gloves, boots and other proper protective clothing sufficient to avoid contact with eyes and skin. Proper eye protection is always absolutely essential.
- In case of accidental contact, flush area with water for at least 15 minutes. Seek medical attention promptly if irritation persists.
- Avoid splashing nearby personnel during spray rinsing.
- Avoid breathing spray mist. Use adequate ventilation.

## Contact Us

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Revision: 06/2021 (Rev. A2)