

CEE-BEE CHROME FREE DEOXIDIZER A-651



d a t a s h e e t

CEE-BEE CHROME-FREE DEOXIDIZER 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 of the aluminum.

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.

CONFORMS TO

- **AMS 1626B**

**NOTE: To place an order, call or FAX Customer Service at
800-932-7006 / FAX 1-216-441-1377
Cee-Bee Free Deoxidizer A-651 Product Code # 21017**

NOTES PRIOR TO HANDLING

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



USE INSTRUCTIONS

1. Dilute one part Cee-Bee A-651 with 4.0 to 5.0 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.

ANALYSIS PROCEDURE

1. Pipette 5.0 ml of Cee-Bee A-651 bath into a 250 ml beaker (note 1).
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 40° C - 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 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:

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

PROPERTIES

- A clear yellow, acidic liquid. pH less than 1.

PRECAUTIONS

- **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.