

# CEE-BEE DESCALER J-2

by Cee-Bee®



## data sheet

**CEE-BEE DESCALER J-2** is a mildly acidic liquid scale remover for corrosion resistant steel and nickel based alloy parts.

### BENEFITS

- Rapid scale removal.
- Long useful tank life.
- Surfactants are biodegradable.

### CONFORMS TO

- AMS 1382A
- ROLLS ROYCE OMAT NO. 1/153A

**NOTE: To place an order, call or FAX Customer Service at  
800-932-7006 / FAX 1-216-441-1377  
Cee-Bee Descaler J-2 Product Code # 26007**



## 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 PROCEDURES

Prepare a 20% v/v solution. Add to the water slowly and carefully with continuous agitation. Check the pH. If it is above 3.1, adjust carefully with nitric acid. Operating range 15 - 20%.

The Cee-Bee J-2 Descaler bath is usually used in conjunction with an alkaline rust and scale remover, such as Cee-Bee J-84, J-84A, J84AL, or J-84L Concentrate, and Cee-Bee J-88 Alkaline/Permanganate Scale Conditioner as follows:

1. Degrease parts in Cee-Bee Precleaner A-7X7.
2. Process parts in an alkaline rust remover bath for 15 to 30 minutes.
3. Dip rinse in an air-agitated, overflowing clear water bath.
4. Immerse parts in the Cee-Bee J-2 Bath for 15 to 30 min. at 75-85°C, (167-185°F).
5. Dip rinse in an air-agitated, overflowing clear water bath.
6. Immerse parts in a Cee-Bee J-88 bath for 15 to 30 min. at 85-95°C.(185-203°F).
7. Dip rinse in an air-agitated, overflowing clear water bath.
8. Immerse parts in the Cee-Bee J-2 Bath for 15 to 30 min. at 75-85°C (167-185°F).
9. Dip rinse in an air-agitated, overflowing clear water bath.
10. Force dry with hot air or apply a rust inhibitor, such as Cee-Bee MX-15U or Nortex 3025 to protect parts from flash rusting.

NOTE: After removing the parts from each process tank and before the dip rinse, allow the excess solution to drain back into the tank. Then rinse the parts with a light mist of water over the tank. This procedure will help reduce dragout loss.

## CONTROL

Daily additions of water are required to make up evaporation loss. Periodic additions of undiluted Cee-Bee J-2 are required to replace dragout loss.

The pH of a Cee-Bee J-2 bath will rise above 3.1 with use and should be carefully monitored and not allowed to rise above 3.5. Adjust with nitric acid when the pH rises above 3.1.

To determine the concentration of the bath, use the following procedure:

1. Pipette 25 ml solution into 100 ml graduated cylinder. (If the sample is heavily contaminated it can be heated in a hot water bath and filter through coarse filter paper.)
2. Add 5 ml. 50% NaOH to cylinder and shake.
3. Heat to  $180^{\circ} \pm 5^{\circ}\text{F}$  in water bath.
4. Add Ferric chloride solution in 1 ml increments. Stopper, shake 30 seconds and place in water bath and heat to  $180^{\circ} \pm 5^{\circ}\text{F}$ .
5. Remove, shake 30 seconds, examine for undissolved precipitate using high intensity lamp.
6. Repeat #4 to end point (large vol. undissolved precipitate in bottom of cylinder. 1 to 2 small particles is not the end point. After end point is reached, calculate as follows:

Calculation: ml 1M Ferric chloride solution X 6.9 = % v/v Cee-Bee J-2

## PROPERTIES

- Clear, straw-colored liquid.

## **PRECAUTIONS**

- Irritating to eyes and skin! Allow no contact! Wear proper OSHA-approved protective clothing, such as rubber gloves and chemical goggles, or chemical face shield. **SOME FORM OF EYE PROTECTION IS ALWAYS ABSOLUTELY NECESSARY!! DO NOT BREATHE FUMES.** Use with proper and adequate ventilation. Don't take internally.
- In case of accidental contact, flush areas thoroughly with water. If irritation persists seek medical attention promptly.
- Not suitable for use on low carbon steels.

Copyright 1997 McGean-Rohco, Inc.

Revd. 1/14