

CEE-BEE DESCALER C-623

by Cee-Bee®



data sheet

CEE-BEE DESCALER C-623 is an inhibited phosphoric acid base metal conditioner and rust remover.

BENEFITS

- Rapid rust and corrosion removal.
- Quickly dissolves water-scale encrustations.
- Excellent prepaint surface treatment.
- May be applied by dip, spray or brush-on method.
- May be heated or used at ambient temperature.
- Inhibited to minimize attack on base metals.
- Safe on mild steel, stainless steel, aluminum, copper and titanium.
- Non-flammable. No toxic fumes.

CONFORMS TO

- **AMS 1384A (INCLUDES ARP 1755B)**
- **ARP 1755B**
- **GENERAL ELECTRIC C04-143**
- **GREENWICH AIRMOTIVE**
- **INTERNATIONAL AERO ENGINES COMAT NO. 01-170**
- **MIL-C-10578D, TYPE III**
- **PRATT & WHITNEY SPMC 21 (SPOP 11, 211, 250 AND 324)**

**NOTE: To place an order, call or Fax Customer Service at
800-932-7006 / FAX 1-216-441-1377
Cee-Bee Descaler C-623 Product Code # 26008**



NOTES PRIOR TO HANDLING

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

USE PROCEDURES

1. Ambient Temperature Soak

Use a 30-50% C-623 by volume solution at ambient temperature.

Preclean parts to remove heavy grease and oil. Immerse in descaler solution and allow to soak. When removal is complete draw parts from tank and spray rinse with water or dip in clear, overflowing water. A hot water rinse will speed drying and minimize flash rusting.

2. Brush, wipe or spray on. Use a 25-50% C-623 by volume solution. For most applications, a 33% solution is satisfactory.

Preclean parts to remove heavy grease and oil. Apply descaler solution with brush, swab or non-atomizing spray equipment and allow to dwell. Keep surface wet by additional applications of descaler as required to dissolve deposits. Brush surface with a stiff bristle brush to hasten removal of heavy rust and scale deposits. When removal is complete, dip rinse in clear, overflowing water or spray rinse with water. Hot water rinsing will speed drying and minimize flash rusting.

CONTROL

- Additions of water to make up evaporation loss and additions of descaler to replace dragout loss will be required periodically.
- The concentration of descaler solutions may be estimated using the following procedure.
 1. Pipette 5 ml. descaler solution sample into titration flask.
 2. Add 10 ml. 10% potassium iodide soln. Allow to stand for 1 min.
 3. Dilute sample to 100 ml. with DI water.
 4. Add 3 to 5 drops methyl orange indicator.
 5. Titrate with 0.5N NaOH until color changes from red to yellow.
 6. Calculate concentration of descaler as follows:

$$(\text{ml. 0.5N NaOH}) (2.0) = \% \text{ Cee-Bee C-623}$$

Mild steel tanks are acceptable for containing descaler solutions. However, to minimize tank maintenance, 300 series stainless steel is recommended.

PROPERTIES

- A clear, slightly viscous, colorless to slightly amber or pink liquid with very little odor.

PRECAUTIONS

- Contains phosphoric acid. Avoid contact with eyes and skin. Wear goggles or face shield and rubber gloves. Do not take internally.
- In case of accidental contact with eyes, flood with water. If irritation persists, seek medical attention. For skin, flush thoroughly with water.
- Embrittling to high strength steels. Avoid contact with descaler and rinse water by thoroughly masking all high strength steel parts, such as landing gears, flap brackets and tracks.