CEE-BEE® C-623

Cee-Bee®
Innovative Aviation Chemistry
Chimie innovante pour l'aviation

RUST REMOVER AND METAL SURFACE CONDITIONER

CEE-BEE® C-623 is an inhibited phosphoric acid solution used to effectively remove rusts and condition metal surfaces.

BENEFITS

- Rapidly removes rusts and corrosion products from surfaces
- Quickly dissolves water scale encrustations
- Excellent for prepaint surface treatments
- May be heated or applied at ambient temperatures
- Inhibited to minimize attack on metal surfaces
- Safe on mild steel, stainless steel, aluminum, copper and titanium
- Non-flammable
- No toxic fumes

PHYSICAL PROPERTIES

Appearance	Viscous liquid	Solubility	Water soluble	Flammability	Non-flammable
Colour	Colourless	pH	<2	Density	1.24 g/ml
Odor	Odourless	Flash Point	N/A		

AVAILABLE FORMATS

20L	20CB623P	208L	20CB623D	1000L	20CB623T

APPROBATIONS

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

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USE PROCEDURES

AMBIENT TEMPERTURE SOAK:

1. Use an aqueous 30–50 %, by volume, C-623 solution at ambient temperature.
2. Preclean parts to remove heavy greases and oils.
3. Immerse in descaler solution and allow to soak.
4. Once surface treatment is complete, draw parts from tank and spray rinse with water or immerse in clear, overflowing water rinse tank.
5. A hot water rinse will speed drying and minimize flash rusting.

SOLUTION CONTROL

- Routine bath additions of water and CEE-BEE® C-623 solutions are required to compensate for bath's volume loss from evaporation and drag outs.
- Mild steel tanks are acceptable for containing descaler solutions. However, to minimize tank maintenance, 300 series stainless steels are recommended.

CONCENNTRATION MAY BE DETERMINED USING THE FOLLOWING PROCEDURE:

1. Pipette 5 mL of bath sample into a titration flask.
2. Add 10 mL of 10 % potassium iodide solution into flask. Allow to settle for 1 minute.
3. Dilute sample to 100 mL with deionized water.
4. Add 3 to 5 drops methyl orange indicator.
5. Titrate with 0.5 N NaOH until flask's solution colour changes from red to yellow.
6. Use following calculation to determine CEE-BEE® C-623 % volume concentration:

(mL 0.5 N NaOH used) x (2.0) = CEE-BEE® C-623 bath concentration, expressed as % volume.

LEGISLATION

- WHMIS Regulated

SAFETY & HANDLING

- Refer to Safety Data Sheet (SDS) for additional information
- Dispose of container and its contents in compliance with all applicable regulations.

• Contains phosphoric acid. Avoid contact with eyes and skin. Wear safety glasses or face shield and rubber gloves while handling. Do not ingest. • In case of accidental contact with skin or eyes, flush affected areas with water. If irritation persists, seek medical attention. • May cause embrittlement in high strength steels; when applying CEE-BEE® C-623, mask all high strength steel parts, such as landing gears, flap brackets and tracks.

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