SUPER BEE™ 300LFG CLEANER

by Cee-Bee®

Cee-Bee® Innovative Aviation Chemistry

data sheet

SUPER BEE 300LFG is a low-foaming liquid concentrate for use in immersion or spray wash applications, and for degreasing turbine engine exteriors prior to disassembly.

BENEFITS

- Excellent grease and oil remover.
- Low foaming when used in agitated tanks or spray washers.
- Free rinsing.
- Safe on steel and aluminum.
- Safe on most paints and plastics.
- Non-flammable.

CONFORMS TO

- **AMS 1537B**
- **ARP 1755B**
- **ASTM 945 STRESS CORROSION OF TITANIUM ALLOYS (METHOD A)**
- **BOEING D6-17487 REVISION "N"**
- **BOEING BAC 5749**
- **BOEING BAC 5763**
- **BOEING DPM 6373-7**
- **BOMBARDIER BAPS 180-40**
- **GENERAL ELECTRIC SPM CO4-221**
- **GOODRICH MP10-007**
- **INTERNATIONAL AERO ENGINES CoMAT 01-564**
- **MEETS THE REQUIREMENTS OF EPA/60/4-90/027 (SEPTEMBER 1991)**
- **OMAT 1/24R (OVERHAUL)**
- **PRATT & WHITNEY SPMC 173 (SPOP 1 AND SPOP 209)**
- **PWA 36604 REVISION "C" (NON-METALLIC MATERIALS)**
- **ROLLS- ROYCE MLC104 (NEW MANUFACTURE)**
- **SNECMA (LE 2007-12-17)**

NOTE: To place an order, call or FAX Customer Service at
800-932-7006 / FAX 216-441-1377
Super Bee 300LFG Cleaner Product Code # 20103

McGean

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NOTES PRIOR TO HANDLING

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

USE PROCEDURES

Immersion Tank Cleaning

Mix in water at 10% - 25% by volume, depending on degree of contamination.

1. Immerse parts in bath at 120 - 150°F (49 - 66°C) for 5 to 30 minutes. Best results are obtained if the solution is agitated.
2. When cleaning is complete, remove parts from bath and allow excess solution to drain back into the tank.
3. Spray rinse parts over tank and immerse in an air-agitated, overflowing water rinse tank.

Spray Washer Cleaning

1. Charge tank with a 5% to 20% by volume in-water solution of Super Bee 300LFG (depending on degree of contamination) and heat to 100 - 150°F (38 - 66°C).
2. Spray wash for 5 to 30 minutes as required.
3. If spray-washing equipment does not employ a rinse cycle, spray rinse parts with water or immerse in an air-agitated, overflowing water rinse tank.

SOLUTION CONTROL

- **Operating Temperature** - Operating the solution below the recommended temperature will reduce cleaning performance.
- **Concentration -** Super Bee 300LFG solution concentrations can be determined by UV method as below:

Reagents and Equipment

Deionized water
UV Spectrophotometer
10 mm Quartz cuvettes
2 ml class A volumetric pipette
100 ml class A volumetric flask

Procedure

1. Pipette and transfer a 2 ml aliquot from a foam free sample of Cee-Bee Super Bee 300LFG working bath into a 100 ml volumetric flask.

2. Dilute the flask to volume with deionized water, stopper and mix well by gentle inversion keeping foam to a minimum.

3. Measure the absorbance of this dilution using a 10 mm quartz cuvette at 267 nm. Use deionized water as a reference blank.

4. Use the following calculation:

   % bath volume Super Bee 300LFG = 38.17 x absorbance unit.

- **pH -** To insure optimum performance, maintain bath pH within the range of 10.0 to 12.0 using a reliable pH meter.

  Liquid pH Adjuster (Product Code # 20101)
  If pH falls below 10.0, add with agitation 3 liquid ounces pH adjuster for each 100 gallons (240 ml per 1000 liters) of tank solution to increase pH by 0.1 unit.

If concentration and pH are within their recommended ranges, and performance is not satisfactory, the tank should be dumped and recharged with a fresh solution of Super Bee 300LFG.

PROPERTIES

- A clear to slightly hazy liquid.
- No flash point. Mild solvent odor.

SAFETY & HANDLING

- Skin or eye contact can cause irritation. Chemical goggles or face shield and chemical-resistant gloves are recommended.
- In case of accidental contact, flush area thoroughly with water. If irritation persists, seek medical attention.
- Do not take internally.

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