

SUPER BEE™ 300LFG



LOW FOAM CONCENTRATED CLEANER DEGREASER

SUPER BEE™ 300LFG is a low-foaming liquid aqueous degreaser approved for immersion, spray wash, spray rinse, steam injection, ultrasonic, and pre/post NDT cleaning applications. It is safe on all common aircraft and turbine engine alloys when used as directed. Contains no nonyl-phenol ethoxylates (NPE).

BENEFITS

- Does not contain nonylphenol ethoxylates (NPEs) or other alkyl phenol ethoxylates (APEs)
- Excellent at removing greases and oils
- 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

PHYSICAL PROPERTIES

Appearance	Liquid	Solubility	Water soluble	Flammability	Non-flammable
Colour	Colourless	pH	12	Density	1.06 g/ml
Odor	Light	Flash Point	Non applicable		

AVAILABLE FORMATS



20L

20CBLFGP

208L

20CBLFGD

1000L

20CBLFGT

APPROBATIONS

- 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)

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.

• Avoid eye and skin contact; may cause burning and/or irritations. Safety glasses or face shield, and chemical resistant gloves are recommended during use. • In case of accidental contact, flush affected areas thoroughly with water. If irritation persists, seek medical attention. • Do not ingest.

Information and recommendations regarding this product are presented in good faith. However no guarantees are associated with the data presented in this document, and no such guarantees should be interpreted from the information and expected results presented. We do not assume any liability for damage, loss or injury, direct or indirect, related to the use of this product.

USE PROCEDURES

IMMERSION TANK CLEANING

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

1. Immerse parts in bath at 50–70 °C (120–160 °F) 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 WASH 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 50–70 °C (120–160 °F)
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.

ULTRASONIC CLEANING

1. Mix in water at 15% to 25% and operate at 120 - 160oF (50 - 70oC), for 5 to 15 minutes.

SOLUTION CONTROL

- Operating temperature: Operating the solution below the recommended temperature range will affect cleaning performance.
- Concentrations: SUPER BEE™ 300LFG concentrations can be determined with Ultra Violet (UV) Spectrophotometry, following the method outlined below:

Reagents and Equipment

- Deionized water / UV Spectrophotometer / 10 mm Quartz cuvettes / 2 mL class A volumetric pipette and 100 mL class A volumetric flask.

PROCEDURE

1. From a working bath, pipette 2 mL of a foam-free SUPER BEE™ 300LFG solution, into a 100 mL volumetric flask.
 2. Dilute the flask to volume with deionized water, and mix well by gently inverting flask, while keeping foam to a minimum.
 3. Measure the absorbance of solution using a 10 mm quartz cuvette, at 267 nm. Use deionized water as a reference blank.
 4. Calculation: SUPER BEE™ 300LFG volume % concentration = sample absorbance at 267 nm x 38.17.
- pH Measurements: To insure optimum performance, maintain bath pH within 10.0 to 12.0 range. Routinely monitor pH using a calibrated pH meter.

CEE-BEE® LIQUID pH ADJUSTER (Code de produit # 20CBDPH)

If bath pH decreases to less than 10.0; add with agitation 240 mL of pH adjuster for each 1000 L of tank solution, to increase pH by 0.1 units. Note that this addition is only effective for pHs below 10.8. For pHs above 10.8, more pH adjuster will be necessary. If tank concentration and pH are within their recommended ranges, and performance is not satisfactory, the tank should be recharged with a fresh solution of SUPER BEE™ 300LFG. Consult with your DeaneCo representative for troubleshooting and recommendations.