

# AEROSPACE APPROVALS & TESTING



		PAGE
	<b>PAINT REMOVERS</b>	<b>2-3</b>
	<b>AIRCRAFT EXTERIOR CLEANERS</b>	<b>4-5</b>
	<b>MANUAL &amp; SOLVENT CLEANERS</b>	<b>6-10</b>
	<b>SPECIAL PROCESS SOLUTIONS</b>	<b>11-13</b>
	<b>GAS PATH TURBINE ENGINE CLEANERS</b>	<b>14</b>
	<b>AVIONICS CLEANERS</b>	<b>15</b>

## Vantage Performance Materials

A Vantage Specialties Inc. Chemicals Business

3938 Porett Drive

Gurnee, Illinois 60031 USA

**CAGE CODE: 0WU08**

Tel 800 432 7187 or 847 244 3410

Fax 847 249 6346

[www.vantagegrp.com](http://www.vantagegrp.com)

NA Version 2018\_08\_08

AEROWAX, AXAREL, B&B, BIOACT, CleanSafe, LENIUM and RE-ENTRY are trademarks of Vantage Specialties, Inc.



## PAINT REMOVERS

### B&B™ 9095

#### Military

U.S. Air Force TO. 1-1-8  
Tinker AFB Purchase Description  
U.S. Air Force TO 1-1-24 Composite Coating Removal  
Boeing DPM 5549-1, Stripper, Neutral, Non-embrittling

#### Testing

Boeing D6-17487  
Douglas CSD #1  
ASTM F 483, ASTM F 519, ASTM F 1110, Alloy Steel Corrosion Test

### B&B™ 5095

#### Military

U.S. Air Force T.O. 1-1-8  
Tinker AFB Purchase Description

#### Testing

Boeing D6-17487  
Douglas CSD #1  
ASTM F 483, ASTM F 519

### B&B™ 5085

#### Military

MIL-R-81903 Effects on Metals

### B&B™ 5151B

#### Military

TO 1-1-8

### B&B™ 5151M

#### Military

TT-R-2918

**B&B™ 9201**

**Military**  
MIL-R-83936



## AIRCRAFT EXTERIOR CLEANERS

### B&B™ JET-7

#### Military

MIL-PRF-87937D, Cleaning Compound, Aerospace Equipment, Type IV, Heavy Duty, Water Dilutable Cleaning Compound, NSN # 6850-01-433-0873, 6850-01-429-2371  
TO 35-1-3 Corrosion Prevention & Control, Cleaning, Painting, and Marking of USAF Support Equipment (GSE)  
TO 1-1-691 Cleaning & Corrosion Prevention & Control, Aerospace and Non-Aerospace Equipment

#### Testing

ASTM F 483, ASTM F 519, Low Embrittling Cadmium Plate Corrosion, Sandwich Corrosion, Hot Dip Galvanizing Corrosion, Effects on Unpainted Metal Surfaces, Effects on Painted Surfaces, Effects on Polyimide Insulated Wire, Effects on Polysulfide Sealants, Wet Tape Adhesion, Rubber Compatibility, Stress Cracking

### B&B™ 8525

#### Military

MIL-PRF-85570E, Cleaning Compounds, Aircraft, Exterior, Type II, General purpose, non-solvent, NSN # 6850-01-235-0872, 6850-01-236-0128  
TO 35-1-3 Corrosion Prevention & Control, Cleaning, Painting, and Marking of USAF Support Equipment (GSE)  
TO 1-1-691 Cleaning & Corrosion Prevention & Control, Aerospace and Non-Aerospace Equipment

### B&B™ RE-GEL

#### Military

MIL-PRF-87937D Cleaning Compound, Aerospace Equipment, Gel-Type Cleaning Compound Type III, NSN # 6850-01-390-9530, 6850-01-390-9453  
TO 35-1-3 Corrosion Prevention & Control, Cleaning, Painting, and Marking of USAF Support Equipment (GSE)  
TO 1-1-691 Cleaning & Corrosion Prevention & Control, Aerospace and Non-Aerospace Equipment

#### Testing

ASTM F 483, ASTM F 519, Sandwich Corrosion, Low Embrittling Cadmium Plate Corrosion, Hot Dip Galvanizing Corrosion, Effects on Unpainted Metal Surfaces, Effects on Painted Surfaces, Effects on Polyimide Insulated Wire, Effects on Polysulfide Sealants, Wet Tape Adhesion, Rubber Compatibility, Stress Cracking

### B&B™ 1995

#### Military

MIL-PRF-85570E, Cleaning Compounds, Aircraft, Exterior, Type V, Gel-type wheel well degreaser, low solvent (<10%), NSN # 6850-01-234-0219, 6850-01-235-7458  
TO 35-1-3 Corrosion Prevention & Control, Cleaning, Painting, and Marking of USAF Support Equipment (GSE)  
TO 1-1-691 Cleaning & Corrosion Prevention & Control, Aerospace and Non-Aerospace Equipment

### B&B™ Contact E

#### Military

MIL-PRF-85570E, Cleaning Compounds, Aircraft, Exterior, Type IV, Rubberized spot cleaner, NSN # 6850-01-235-0873, 6850-01-248-9829, 6850-01-248-9830

## **B&B™ Contact X**

### **Military**

MIL-PRF-85570E, Cleaning Compounds, Aircraft, Exterior, Type III, Abrasive spot cleaner, NSN # 6850-01-232-9164

## **B&B™ Contact XL**

### **Commercial**

Continental Airlines (now United Airlines)

### **Testing**

Boeing D6-17487

Douglas CSD #1

## **B&B™ Sparkle A**

### **Commercial**

Continental Airlines (now United Airlines)



## MANUAL & SOLVENT CLEANERS

### BIOACT™105 & BIOACT 105 Pre-Saturated Wipes (AMS 3819)

#### Commercial

AMS 3167 QPL Approved, AMS-3167B:2005 Class 1, Form 1, Types 1 and 2 – *Solvents, Wipe for Cleaning Prior to Application of Primer and Top Coat Materials, or Sealing Compounds*  
AMS 3819 (BIOACT 105 Wipes Material)

Bell Helicopter Bulletin No: 1915 Solvents, Blended Organic, Cold Degreasing (Liquid and Pre-Saturated Wipes)

Bombardier BAPS 180-009 General (G) Manual Solvent Cleaner

Bombardier Consumable Products Manual 8-12A – SOLVENT, Degreaser, For Electrical Wiring Harness and Components (Q400)

Bombardier TASK 20-30-00-110-805 Chemical Cleaning of the Electrical Wiring Transition, Adapter and the Overbraid (Q400 AMM)

Bombardier TASK 61-20-36-110-801 Chemical Cleaning of the Propeller Electronic Control Unit (Q400 AMM)

Bombardier TASK 20-30-110-801 Chemical Cleaning of the Electrical Wiring Component (Q400 AM)

Bombardier TASK 20-30-00-110-802 External Chemical Cleaning of the Electrical Wiring Connector and the Backshell (Q400 AMM)

Bombardier TASK 20-30-00-110-803 Internal Chemical Cleaning of the Electrical Wiring Connector (Q400 AMM)

Bombardier TASK 20-30-00-150-802 Stripping of the Corrosion Inhibiting and Corrosion Preventative Compounds (Q400 AMM)

Bombardier TASK 51-21-26-340-801 Application of RTV Silicone Adhesive (Q400 AMM)

CFM International CP# 2719 Rev 76

GE Aviation Cleaning Method No 23 Hand-Wipe Degreasing, SPM Task 70-21-23-110-053 (CO4-251)

GE Aviation Alternate to SPM TASK 70-21-01-110-001 Cleaning Method No 1 Solvent Degreasing

GE Aviation Alternate to SPM TASK 70-21-22-110-042 Cleaning Method No 22 Light Duty Aqueous Cleaning for Localized Hand-Wipe Cleaning

Gulfstream Aerospace Standard GAS115H for Solvent Cleaner/Degreaser, Mixed Hydrocarbons, Part# GAS115H1

Honeywell C5049 Cleaning of Titanium and Titanium Alloys

International Aero Engines (IAE) CoMat 01-506 (Liquid), CoMat 01-506A (Pre-saturated Wipes)

Pratt & Whitney PMC 8929 Hand Wiping Solvent, SPOP 208 Degreasing of Parts by Solvent Wiping (SPM Rev 120, Part# 585005)

Pratt & Whitney PMC 8929 Hand Wiping Solvent, POP 1800-U Masking of Parts Prior to Selective Painting, Chemical Processing, Painting, Stripping

Pratt & Whitney PWA 36604 Rev D Hot Corrosion (AMS 4037)

Rolls-Royce CSS No 255 Type A Non-Halogenated Organic Solvent Cleaner (MLC104)

Rolls-Royce OMat 1/257S Solvent Cleaner

United Airlines Engine Parts Cleaning, Part #: SOL3001-17 for BIOACT 105 Precision Cleaner, SOL3001-17TWL10X12 for Saturated Wipes

#### Military

NSN # 7930-01-596-8655

#### Testing

Airbus AIMS 09-00-002 (excludes acrylic and polycarbonate crazing)

AMS 1526C (excludes flash point, effects on transparent acrylic plastics, and storage stability)

Boeing D6-17487 (excludes acrylic crazing)

Douglas CSD #1 (excludes acrylic crazing)

ASTM F-945, ASTM F-1110, ASTM F-502, ASTM F-519, ASTM F-485, ASTM F-483, ASTM F-2111, ASTM D-3941, ASTM D-2879, ASTM D-1901, ASTM D-1613, ASTM B-117, ASTM G-46

Dissimilar Metal Corrosion (AMS 3167), Cleaning Prior to Painting – Removal of Contaminants (AMS 3167), Cleaning Prior to Sealant – Removal of Contaminants, (AMS 3167), Removal of Uncured Sealant (AMS 3167), Removal of AMS 3100 Adhesion Promoter (AMS 3167), Effects on Fuel Tank Sealants (AMS 3167), Effects on Carbon/Epoxy Composites (AMS 3167), Effects on Polyamide Insulated Wire (AMS 3167), Cold Storage Stability (AMS 3167), Paint Softening Test (Airbus AIMS 09-00-002)

## BIOACT™ 108

### Commercial

Boeing BAC 5750 Solvent Cleaning, PSD 6-100, BMS11-14A (approved metals and blanket cleaning)  
Boeing BAC 5355 Fabrication and Rework of Thermal Acoustic Blankets, PSD 6-12 (also listed in PSD 6-8)

### Testing

Airbus AIMS 09-00-002 (excludes acrylic and polycarbonate crazing)  
AMS 1526C (excludes flash point, effect on transparent acrylic plastics, and storage stability)  
Boeing D6-17487 (excludes acrylic crazing)  
Douglas CSD #1 (excludes acrylic crazing)  
ASTM F-1110, ASTM F-1111, ASTM F-483, ASTM F-502, ASTM F-519, ASTM F-509, ASTM F-485, Paint Softening Test (Airbus AIMS 09-00-002)

## BIOACT™ 145

### Commercial

Gulfstream Aerospace Standard GAS115H for Solvent Cleaner/Degreaser, Mixed Hydrocarbons, Part# GAS115H1

### Testing

Boeing D6-17487  
Douglas CSD#1  
ASTM F-945, ASTM F-1110, ASTM F-502, ASTM F-519, ASTM F-485, ASTM F-483

## AXAREL™ 1000

### Commercial

Airbus Consumable Materials List (CML) (ref MIL-PRF-680)  
Airbus A330 AMM Item 11-002  
BAC 5750 Solvent Cleaning (ref MIL-PRF-680) (PSD 6-88)  
Honeywell ref MIL-PRF-680 qualifications (Type I)  
Lockheed Martin STP57-201, Rev. H Cleaning of Carbon and Low Alloy Steels (EPS G41.14) (*MIL-PRF-680 supersedes P-D-680*)  
Pratt & Whitney PMC 9001 Stoddard Solvent (MIL-PRF-680, Type I, II or III)  
Pratt & Whitney PMC 9045, POP-350 Cleaning / wipe degreasing of metallic parts for general cleaning, and of metallic parts in preparation for brazing or welding  
United Airlines SOL3001-1

### Military

MIL-PRF-680 Degreasing Solvent Type I Low Flash Point (SD-1) (DS-0020) NSN # 6850-01-474-2302, 6850-01-474-2309, 6850-01-474-2313, 6850-00-264-9039  
TO 35-1-3 Corrosion Prevention & Control, Cleaning, Painting, and Marking of USAF Support Equipment (GSE)  
TO 1-1-691 Cleaning & Corrosion Prevention & Control, Aerospace and Non-Aerospace Equipment

### Testing

ASTM D-1353, ASTM D-1296, ASTM D-130, ASTM F-1110, ASTM F-483, ASTM F-945

## AXAREL™ 2000

### Commercial

Airbus Consumable Materials List (CML) (ref MIL-PRF-680)  
Airbus A330 AMM Item 11-002  
BAC 5750 Solvent Cleaning (ref MIL-PRF-680) (PSD 6-88)  
Honeywell ref MIL-PRF-680 qualifications (Type II)  
Lockheed Martin STP57-201, Rev. H Cleaning of Carbon and Low Alloy Steels (EPS G41.14) (*MIL-PRF-680 supersedes P-D-680*)  
Messier-Bugatti Component Maintenance Manual 2-1577 Series (Task 32-41-81-100-801-A01) per MIL-PRF-680  
Pratt & Whitney PMC 9001 Stoddard Solvent (MIL-PRF-680, Type I, II or III)  
UTAS UTC Aerospace Systems Goodrich Wheels and Brakes Component Maintenance Manual 2-1577 Series (Task 32-41-81-100-801-A01) per MIL-PRF-680

### Military

MIL-PRF-680 Degreasing Solvent Type II High Flash Point (SD-2) (DS-0018) NSN # 6850-01-474-2319, 6850-01-474-2317, 6850-01-378-0698, 6850-01-474-2316, 6850-00-637-6135  
TO 35-1-3 Corrosion Prevention & Control, Cleaning, Painting, and Marking of USAF Support Equipment (GSE)  
TO 1-1-691 Cleaning & Corrosion Prevention & Control, Aerospace and Non-Aerospace Equipment

### Testing

ASTM D-1353, ASTM D-1296, ASTM D-130, ASTM F-1110, ASTM F-483, ASTM F-945

## AXAREL™ 3000

### Commercial

Airbus Consumable Materials List (CML) (ref MIL-PRF-680)  
Airbus A330 AMM Item 11-002  
BAC 5750 Solvent Cleaning (ref MIL-PRF-680) (PSD 6-88)  
Honeywell ref MIL-PRF-680 qualifications (Type III)  
Lockheed Martin STP57-201, Rev. H Cleaning of Carbon and Low Alloy Steels (EPS G41.14) (*MIL-PRF-680 supersedes P-D-680*)  
Messier-Bugatti Component Maintenance Manual 2-1577 Series (Task 32-41-81-100-801-A01) per MIL-PRF-680  
Pratt & Whitney PMC 9001 Stoddard Solvent (MIL-PRF-680, Type I, II or III)  
UTAS UTC Aerospace Systems Goodrich Wheels and Brakes Component Maintenance Manual 2-1577 Series (Task 32-41-81-100-801-A01) per MIL-PRF-680

### Military

MIL-PRF-680 Degreasing Solvent Type III Very High Flash Point (200°F) (SD-3) (DS-0017) NSN # 6850-01-474-2318, 6850-01-474-2320, 6850-01-474-2321  
TO 35-1-3 Corrosion Prevention & Control, Cleaning, Painting, and Marking of USAF Support Equipment (GSE)  
TO 1-1-691 Cleaning & Corrosion Prevention & Control, Aerospace and Non-Aerospace Equipment

ASTM D-1353, ASTM D-1296, ASTM D-130, ASTM F-1110, ASTM F-483, ASTM F-945



## AXAREL™ 4000

### Commercial

Airbus Consumable Materials List (CML) (ref MIL-PRF-680)

Airbus A330 AMM Item 11-002

BAC 5750 Solvent Cleaning (ref MIL-PRF-680) (PSD 6-88)

Honeywell ref MIL-PRF-680 qualifications (Type IV)

Lockheed Martin STP57-201, Rev. H Cleaning of Carbon and Low Alloy Steels (EPS G41.14) (*MIL-PRF-680 supersedes P-D-680*)

### Military

MIL-PRF-680 Degreasing Solvent Type IV High Flash Point with Citrus Odor (SD-4) (DS-0023) NSN # 6850-01-472-2722, 6850-01-472-2717, 6850-01-472-2719

TO 35-1-3 Corrosion Prevention & Control, Cleaning, Painting, and Marking of USAF Support Equipment (GSE)

TO 1-1-691 Cleaning & Corrosion Prevention & Control, Aerospace and Non-Aerospace Equipment

### Testing

ASTM D-1353, ASTM D-130, ASTM F-1110, ASTM F-483, ASTM F-945

## RE-ENTRY™ Prepsolv

### Commercial

BAC 5750 Solvent Cleaning Revision M (released April 22, 2011)

## AXAREL™ 4100

### Commercial

Rolls-Royce CSS No. 255 Type A Non-Halogenated Organic Solvent Cleaner (MLC104)

Rolls-Royce OMat 1/257M Solvent Cleaner

UTAS UTC Aerospace Systems Goodrich Actuation Systems 981-100-020 Issue 4 Solvent Degreasing

### Military

NSN # 8010-01-535-0740

### Testing

ASTM F-945, SAE ARP 1755B

## AXAREL™ 6100

### Commercial

Bell Helicopter Bulletin No 1915, Solvents, Blended Organic, Cold Degreasing  
Rolls-Royce CSS No 255 Type A Non-Halogenated Organic Solvent Cleaner (MLC104)  
UTAS UTC Aerospace Systems Goodrich Actuation Systems 981-100-020 Issue 4 Solvent Degreasing

### Testing

Pratt & Whitney Hot Corrosion Testing of Standard Gas Turbine Engine Alloys (AMS 4037, 4375, 6359, 5508, 5536, 5544, 5608)  
ASTM F-945 (20% and 100%), SAE ARP 1755B

## AXAREL™ 9100

### Commercial

Bombardier Service Bulletin S.B. 670BA-34-027 Cleaning Pitot and Static Lines and Fittings, Sec 3.B. (CRJ: CL-600-2C10,-2D24)  
Rolls-Royce CSS No. 255 Type A Non-Halogenated Organic Solvent Cleaner (MLC104)  
Rolls-Royce OMat 1/257M Solvent Cleaner  
Safran Power Systems Co-Solvent Vapor Degreasing (w/ LENIUM IPS). Process Spec. NO: 914-014-078 to 085. Title: Solvent and Aqueous Degreasing and Cleaning. Issue: 9

### Testing

Boeing D6-17487  
ASTM D-1353, ASTM D-1296, ASTM D-130, ASTM F-1110, ASTM F-483, ASTM F-945, SAE ARP 1755A



## SPECIAL PROCESS SOLUTIONS

### CleanSafe™ 787C

#### Commercial

Bell Helicopter Material Code M/C 2100-00097  
Boeing BAC 5763 Type II Grade A Emulsion Cleaning and Aqueous Degreasing (PSD 6-57)  
Boeing BAC 5749 Alkaline Cleaning (PSD 6-153)  
CFM International CP # 2735  
Engine Alliance GP7000 SPM EAP-2202, Aqueous Cleaner, Immersion Cleaning  
GE Aviation C04-289 Cleaner, Mild Alkaline listed in GE SPM 70-21-22 Light Duty Aqueous Cleaning (S1207 – Light Duty Alkaline Cleaner – C04-289) Appendix F. Recommended Practice for Certifying Agent Approval of Cleaning Products Used on Metallic Jet Engine Hardware (Sec. 3.1.1, -.4, -5, -6, -9, -10, -12)  
Honeywell C5012 Aqueous Cleaning in accordance to EMS 53170 Material Requirements for Aqueous and Semi-Aqueous Degreasing (Type I, II Cleaner)  
International Aero Engines (IAE) CoMat 01-565  
Messier-Dowty PCS-2621 for use on all materials and coatings on Messier-Dowty parts (Memo LMP 09/031)  
Pratt & Whitney SPMC 190, SPS 190 Immersion Cleaning for SPOP 209 Degreasing of Parts by Aqueous Cleaning  
Pratt & Whitney PMC 1465, PS 437 Alkali Cleaner (Immersion) for POP 1800-U Masking of Parts Prior to Selective Painting, Chemical Processing, Painting or Stripping  
Pratt & Whitney PMC 1465, PS 437 Alkali Cleaner (Immersion) for POP 573-AD Alkali Cleaning (Immersion)  
Pratt & Whitney PMC 1465, PS 436 Alkali Cleaner (Spray Wash) for POP 581-R Alkali Cleaning in Cabinet-Type Automatic Spray Wash Equipment  
Pratt & Whitney PWA 36604 Revision  
Rolls-Royce CSS204 Aqueous Cleaners (MLC104 ISSUE 18 - APRIL 2009)  
Rolls-Royce OMat 1/24AL Aqueous Cleaner  
Safran In-1500 Products Used for Degreasing-Alkaline and Detergent Products  
Spirit AeroSystems SPS 107630 Emulsion Cleaning and Aqueous Degreasing  
United Services (United Airlines) CLE3007-34

#### Military

Boeing Defense Systems HMS20-1267/-2125/-2126/-2127/-2128/-2412

#### Testing

ASTM F-519, ASTM F-483, ASTM D-816, ASTM F-945, ASTM F-1111, ASTM F-1110, ASTM F-502, ASTM E-1447, SAE ARP 1755B, Wet Adhesion Tape Test, MIL-DTL-83488d, Honeywell EMS 53170 Chem. Analysis, Cleaning Ability, Etch Rate, Cleaning Prior to FPI

### CleanSafe™ 686

#### Testing

ASTM F-1111 (10% Conc.), ASTM F-484, ASTM F-519, ASTM F-945-06 (10% on AMS 4916)

## LENIUM™ FHD

### Commercial

Boeing BAC 5408 Vapor Degreasing Specification (PSD 6-66)

Boeing BAC 5750 Solvent Cleaner

Lockheed Martin EMAP G41.149

Rolls-Royce OMat 1/21E Vapor Degreasing

Safran Power Systems Mono-Solvent Vapor Degreasing. Process Specification NO: 914-014-078 to 085. Title: Solvent and Aqueous Degreasing and Cleaning. Issue: 9

### Testing

Boeing D6-17487

Douglas CSD #1

ASTM F-519, ASTM F-1110, ASTM F-502, ASTM F-945, ASTM F-485, ASTM F-483, SAE ARP 1755B

## LENIUM™ GS

### Commercial

Bell Helicopter Bulletin No.: 1918 n-Propyl Bromide, Vapor Degreasing Grade

Boeing BAC 5408 Vapor Degreasing Specification (PSD 6-68)

Lockheed Martin EMAP G41.149

Messier-Dowty PCS-2620, Steels – Iron Based Alloys

Praxair ID# GDE 10055434

Safran In-1500 Products Used For Degreasing-Organic Solvents (n-Propyl Bromide)

Scott Aviation SMP No.: 7700009 Rev AP, Cleaning of Components and Assemblies For Use in Breathing Equipment

UTAS UTC Aerospace Systems LGPS 1400 Solvent Cleaning/Degreasing

### Testing

ASTM F-519, ASTM F-1110, ASTM F-945

## BIOACT™ 280

### Commercial

GE Aviation Master Cleaner List 3.6.5, GE Aviation SCWC, Semi-Aqueous Immersion Cleaners (100%)

GE Aviation General parts cleaner and as a plating wax remover on GEAE and CFMI engine hardware

Honeywell Process Specification C7010, Rev H for dewaxing and general cleaning of mechanical hardware

Honeywell Tested to EMS 53170 Rev C 10-21-97 Type 1 Material Requirements for Aqueous Cleaning and Semi-Aqueous Degreasing, Tests A,B,C,F,G

International Aero Engines (IAE) CoMat 01-460

Pratt & Whitney PMC 8913-1,-2 Wax Removal Solvent, SPOP 37 Method 2 Removal of Plating Wax (SPM Rev 120, Part #585005)

Pratt & Whitney PMC 8913-1,-2 Wax Removal Solvent, POP 1800-U Masking Parts Prior to Selective Painting, Chemical Processing, Painting, Stripping

Pratt & Whitney MCL E-205 Titanium Stress Corrosion Test

### Military

NSN # 7930-01-596-8654

### Testing

ASTM F-1110, ASTM F-2111, ASTM F-945, ASTM F-519

## BIOACT™ 280E

### Commercial

CFM International CP# 2720 Rev 76

GE Aviation 70-80-04 Solvent, Wax Removal (C04-287)

GE Aviation Master Cleaner List 3.6.5, GE Aviation SCWC, Semi-Aqueous Immersion Cleaners (100%)

International Aero Engines (IAE) CoMat 01-460

Pratt & Whitney PMC 8913-1,-2 Wax Removal Solvent, SPOP 37 Method 2 Removal of Plating Wax (SPM Rev 120, Part #585005)

Pratt & Whitney PMC 8913-1,-2 Wax Removal Solvent, POP 1800-U Masking Parts Prior to Selective Painting, Chemical Processing, Painting, Stripping

Pratt & Whitney MCL E-205 Titanium Stress Corrosion Test

Rolls-Royce OMat 1/288D Wax Remover

Rolls-Royce CSS No 254 Class A Semi-Aqueous Cleaning Fluids Suitable on Metallic Materials as CM0000044 - Class A: BIOACT 280 MLC104/1)

### Military

NSN # 7930-01-596-8654

### Testing

Boeing D6-17487

ASTM F-945, ASTM F-502, ASTM F519-93, ASTM F-1110, ASTM F-2111, SAE ARP 1755B

## AXAREL™ 56

### Commercial

Boeing BAC 5200 Cleaning, Preserving and Re-lubricating Anti-Friction Bearings, Method II A Pressure Spray Cleaning (PSD 6-3)

Boeing BAC 5763 Type II Emulsion Cleaning and Aqueous Degreasing (5-25% in Spray; 5-100% in immersion)

GE Aviation Master Cleaner List 3.6.5, GE Aviation SCWC Aqueous Immersion Cleaners and Water-Based Spray Cleaners (25%)

Messier-Dowty PCS-2620 for use on all materials and coatings on Messier-Dowty parts (Memo LMP 09/031)

### Testing

ASTM F-519



## GAS PATH TURBINE ENGINE CLEANERS

### B&B™ 3100

#### Military

MIL-C-85704

(pending) MIL-PRF-85704 , Cleaning Compound, Type I, Solvent emulsion cleaner concentration containing aromatic hydrocarbon solvents for use in starter cranked engine cleaning operations only, 6850-00-181-7594, 6850-00-181-7594

### B&B™ TC-100

#### Commercial

Boeing, APU In-Situ Cleaning, Prop-BN82T-C89-461

Boeing 747 Maintenance Manual, 49-11-00, Compressor Washing Fluid (Ref 20-30-01)

Continental Airlines (now United Airlines)

Pratt & Whitney Canada CPMC 79038

#### Military

MIL-C-85704, Type IIA, Cleaning Compound, Turbine Engine Gas Path, NSN # 7930-01-367-0983, 7930-01-367-0984

### B&B™ TC-100N-3

#### Military

MIL-PRF-85704, Cleaning Compound, Turbine Engine Gas Path, Type II Aqueous cleaner concentrate containing no aromatic hydrocarbon solvents for starter cranked engine cleaning operations only, Type III Aqueous cleaner concentrate containing no hydrocarbon solvents for use in on-line (fired) engine cleaning of specifically approved engines, NSN # 7930-01-412-2365, 7930-01-412-2366, 6850-01-372-8304, 6850-01-433-6436

#### Testing

Pratt & Whitney PWA 36604 Rev B, Hot Corrosion Testing, AMS 5608

### B&B™ TC-100N-3-RTU

#### Military

MIL-PRF-85704, Cleaning Compound, Turbine Engine Gas Path, Type II RTU Ready-to-use aqueous cleaner containing no hydrocarbon solvents for starter cranked engine, cleaning operations only, Type III RTU Ready-to-use aqueous cleaner containing no hydrocarbon solvents for use in on-line (fired) engine cleaning of specifically approved engines, NSN # 7930-01-412-2367, 7930-01-412-2368, 6850-01-370-5245, 6850-01-370-5244, 6850-01-472-1845, 6850-01-472-1846



## LENIUM™ ES

### Commercial

Lockheed Martin EMAP G41.149

Messier-Dowty PCS-2620, Steels – Iron Based Alloys

Safran In-1500 Products Used For Degreasing-Organic Solvents (n-Propyl Bromide)

UTAS UTC Aerospace Systems LGPS 1400 Solvent Cleaning/Degreasing