



Aerospace and Defense Approvals and Conformance Testing By Product

AXAREL™ 56 Solvent Cleaner (For Immersion and Emulsion Cleaning)

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)
ASTM F-519

AXAREL™ 1000 Solvent Cleaner (For Manual Cleaning)

MIL-PRF-680 Degreasing Solvent Type I Low Flash Point (Military Symbol SD-1) (DS-0020)
NSN# 6850-01-474-2302, 6850-01-474-2309, 6850-01-474-2313, 6850-00-264-9039
Airbus Consumable Materials List (CML) (ref MIL-PRF-680)
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 9045, POP-350 Cleaning / Degreasing of metallic engine hardware using a hand wiping application
United Airlines SOL3001-1
ASTM D-1353, ASTM D-1296, ASTM D-130, ASTM F-1110, ASTM F-483, ASTM F-945

AXAREL™ 2000 Solvent Cleaner (For Manual and Immersion Cleaning)

MIL-PRF-680 Degreasing Solvent Type II High Flash Point (Military Symbol SD-2) (DS-0018)
NSN# 6850-01-474-2319, 6850-01-474-2317, 6850-01-474-2316, 6850-00-637-6135
Airbus Consumable Materials List (CML) (ref MIL-PRF-680)
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

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Pratt & Whitney PMC 9001-3, -4, -8 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
ASTM D-1353, ASTM D-1296, ASTM D-130, ASTM F-1110, ASTM F-483, ASTM F-945

AXAREL™ 3000 Solvent Cleaner (For Manual and Immersion Cleaning)

MIL-PRF-680 Degreasing Solvent Type III Very High Flash Point (200°F) (Military Symbol SD-3) (DS-0017)
NSN# 6850-01-474-2318, 6850-01-474-2320, 6850-01-474-2321
Airbus Consumable Materials List (CML) (ref MIL-PRF-680)
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 9001-5, -6, -9 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
ASTM D-1353, ASTM D-1296, ASTM D-130, ASTM F-1110, ASTM F-483, ASTM F-945

AXAREL™ 4000 Solvent Cleaner (For Manual and Immersion Cleaning)

MIL-PRF-680 Degreasing Solvent Type IV High Flash Point with Citrus Odor (Military Symbol SD-4) (DS-0023)
NSN# 6850-01-472-2722, 6850-01-472-2717, 6850-01-472-2719
Airbus Consumable Materials List (CML) (ref MIL-PRF-680)
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*)
ASTM D-1353, ASTM D-130, ASTM F-1110, ASTM F-483, ASTM F-945

AXAREL™ 4100 Solvent Cleaner (For Manual Cleaning)

NSN# 8010-01-535-0740, Thinner, Paint Products
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
ASTM F-945
SAE ARP 1755B

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AXAREL™ 6100 Solvent Cleaner (For Manual and Immersion Cleaning)

Bell Helicopter Bulletin No 1915, Solvents, Blended Organic, Cold Degreasing
Pratt & Whitney Hot Corrosion Testing of Standard Gas Turbine Engine Alloys (AMS 4037, 4375, 6359, 5508, 5536, 5544, 5608)
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
ASTM F-945 (20% and 100%)
SAE ARP 1755B

AXAREL™ 9100 Solvent Cleaner (For Manual and Immersion Cleaning)

Boeing D6-17487 Rev M Exterior and General Cleaners and Liquid Waxes, Polishes and Polishing Compounds
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 (formerly Goodrich 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
ASTM D-1353, ASTM D-1296, ASTM D-130, ASTM F-1110, ASTM F-483, ASTM F-945
SAE ARP 1755A

BIOACT™ 105 Solvent Cleaner (For Manual Cleaning)

Airbus AIMS 09-00-002 (Issue 3, July 2011) Evaluation of Maintenance Materials Exterior and General Cleaners
Bell Helicopter Bulletin No: 1915 Solvents, Blended Organic, Cold Degreasing (Liquid and Pre-Saturated Wipes)
Boeing D6-17487 Revision T Exterior and General Cleaners and Liquid Waxes, Polishes and Polishing Compounds (partial testing)
Douglas Aircraft Company Customer Service Document CSD No.1 Type 1. Materials and Procedures for General Exterior Cleaning of Painted and Unpainted Surfaces (General Purpose Cleaner) (partial testing)
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)

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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

AMS 1526C Cleaner for Aircraft Exterior Surfaces Water-Miscible, Pressure Spraying Type (partial testing)

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)

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 Solvent Cleaner (For Manual Cleaning)

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)

Boeing D6-17487 Revision T Exterior and General Cleaners and Liquid Waxes, Polishes and Polishing Compounds (partial testing)

Douglas Aircraft Company Customer Service Document CSD No.1 Type 1. Materials and Procedures for General Exterior Cleaning of Painted and Unpainted Surfaces (General Purpose Cleaner) (partial testing)

AMS 1526C Cleaner for Aircraft Exterior Surfaces Water-Miscible, Pressure Spraying Type (partial testing)

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)

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BIOACT™ 145 Solvent Cleaner (For Manual Cleaning)

Boeing D6-17487 Rev L Exterior and General Cleaners and Liquid Waxes, Polishes and Polishing Compounds
Douglas Aircraft Company CSD #1 Materials and Procedures for General Exterior Cleaning of Painted and Unpainted Surfaces (General Purpose Cleaner)
Gulfstream Aerospace Standard GAS115H for Solvent Cleaner/Degreaser, Mixed Hydrocarbons, Part# GAS115H1
ASTM F-945, ASTM F-1110, ASTM F-502, ASTM F-519, ASTM F-485, ASTM F-483

BIOACT™ 280 Solvent Cleaner (For Wax Removal)

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

BIOACT™ 280E Solvent Cleaner (For Wax Removal)

Boeing D6-17487 Rev N Exterior and General Cleaners and Liquid Waxes, Polishes and Polishing Compounds
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)
ASTM F-945, ASTM F-502, ASTM F519-93, ASTM F-1110, ASTM F-2111
SAE ARP 1755B

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CleanSafe™ 787C Aqueous Cleaner (For Spray and Immersion Cleaning)

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)

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

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

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 Aqueous Cleaner (For Immersion and Ultrasonic Cleaning)

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

LENIUM™ ES Solvent Cleaner (For Vapor Degreasing)

Lockheed Martin EMAP G41.149

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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

LENIUM™ FHD Solvent Cleaner (For Vapor Degreasing)

Boeing BAC 5408 Vapor Degreasing Specification (PSD 6-66)
Boeing BAC 5750 Solvent Cleaner
Boeing D6-17487 Rev P Exterior and General Cleaners and Liquid Waxes, Polishes and Polishing Compounds
Douglas CSD #1 Type 1 Materials and Procedures for General Exterior Cleaning of Painted and Unpainted Surfaces (General Purpose Cleaner)
Lockheed Martin EMAP G41.149
Rolls-Royce OMat 1/21E Vapor Degreasing
Safran Power Systems (formerly Goodrich Power Systems) Mono-Solvent Vapor Degreasing. Process Specification NO: 914-014-078 to 085. Title: Solvent and Aqueous Degreasing and Cleaning. Issue: 9
ASTM F-519, ASTM F-1110, ASTM F-502, ASTM F-945, ASTM F-485, ASTM F-483
SAE ARP 1755B

LENIUM™ GS Solvent Cleaner (For Vapor Degreasing)

Bell Helicopter Bulletin No.: 1918 n-Propyl Bromide, Vapor Degreasing Grade
Boeing BAC 5408 Vapor Degreasing Specification (PSD 6-68)
Embraer pending
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
ASTM F-519, ASTM F-1110, ASTM F-945

LENIUM™ IPS Solvent Cleaner (For Vapor Degreasing)

Safran Power Systems (formerly Goodrich Power Systems) Co-Solvent Vapor Degreasing (w/ AXAREL 9100). Process Specification NO: 914-014-078 to 085. Title: Solvent and Aqueous Degreasing and Cleaning. Issue: 9

RE-ENTRY™ Prepsolv Solvent Cleaner (For Manual Cleaning)

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

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Aerospace and Defense Approvals and Conformance Testing By Company

CONFORMANCE TESTING

AXAREL 56

ASTM F-519

AXAREL 1000

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

AXAREL 2000

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

AXAREL 3000

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

AXAREL 4000

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

AXAREL 4100

ASTM F-945

SAE ARP 1755B

AXAREL 6100

ASTM F-945 (20% & 100%)

SAE ARP 1755B

AXAREL 9100

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

SAE ARP 1755A

BIOACT 105

AMS 1526C Cleaner for Aircraft Exterior Surfaces Water-Miscible, Pressure Spraying Type (partial testing)

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

AMS 3819 (BIOACT 105 Wipes Material)

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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

AMS 1526C Cleaner for Aircraft Exterior Surfaces Water-Miscible, Pressure Spraying Type (partial testing)
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

ASTM F-945, ASTM F-1110, ASTM F-502, ASTM F-519, ASTM F-485, ASTM F-483

BIOACT 280

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

BIOACT 280E

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

CleanSafe 787C

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 Chemical Analysis, Cleaning Ability, Etch Rate, Cleaning Prior to FPI

CleanSafe 686

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

LENIUM FHD

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

LENIUM GS

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

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AIRBUS

AXAREL 1000

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

AXAREL 2000

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

AXAREL 3000

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

AXAREL 4000

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

BIOACT 105

Airbus AIMS 09-00-002 (Issue 3, July 2011) Evaluation of Maintenance Materials Exterior and General Cleaners

BIOACT 108

Airbus AIMS 09-00-002 (Issue 3, July 2011) Evaluation of Maintenance Materials Exterior and General Cleaners

BELL HELICOPTER

AXAREL 6100

Bulletin No 1915, Solvents, Blended Organic, Cold Degreasing

BIOACT 105

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

CleanSafe 787C

Material code M/C 2100-00097

LENIUM GS

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

THE BOEING COMPANY

AXAREL 56

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

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

AXAREL 1000

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BAC 5750 Solvent Cleaning (ref MIL-PRF-680) (PSD 6-88)
AXAREL 4000
BAC 5750 Solvent Cleaning (ref MIL-PRF-680) (PSD 6-88)
AXAREL 9100
Boeing D6-17487 Rev M Exterior and General Cleaners and Liquid Waxes, Polishes and Polishing Compounds
BIOACT 105
Boeing D6-17487 Revision T Exterior and General Cleaners and Liquid Waxes, Polishes and Polishing Compounds (partial testing)
Douglas Aircraft Company Customer Service Document CSD No.1 Type 1. Materials and Procedures for General Exterior Cleaning of Painted and Unpainted Surfaces (General Purpose Cleaner) (partial testing)
BIOACT 108
BAC 5750 Solvent Cleaning, PSD 6-100, BMS11-14A (approved for cleaning metals and insulation blankets)
BAC 5355 Fabrication and Rework of Thermal Acoustic Blankets, PSD 6-12 (also listed in PSD 6-8)
Boeing D6-17487 Revision T Exterior and General Cleaners and Liquid Waxes, Polishes and Polishing Compounds (partial testing)
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BIOACT 280E
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CleanSafe 787C
BAC 5763 Type II Grade A Emulsion Cleaning & Aqueous Degreasing (PSD 6-57)
BAC 5749 Alkaline Cleaning (PSD 6-153)
Boeing Defense Systems HMS20-1267/-2125/-2126/-2127/-2128/-2412
LENIUM GS
BAC 5408 Vapor Degreasing Specification (PSD 6-68)
LENIUM FHD
BAC 5408 Vapor Degreasing Specification (PSD 6-66)
BAC 5750 Solvent Cleaner
Boeing D6-17487 Rev P Exterior and General Cleaners and Liquid Waxes, Polishes and Polishing Compounds
Douglas Aircraft Company CSD #1 Materials and Procedures for General Exterior Cleaning of Painted and Unpainted Surfaces (General Purpose Cleaner)
RE-ENTRY Prepsolv
BAC 5750 Solvent Cleaning Revision M (released April 22, 2011)

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BOMBARDIER

AXAREL 9100

Service Bulletin S.B. 670BA-34-027 Cleaning Pitot and Static Lines and Fittings, Sec 3.B. (CRJ: CL-600-2C10,-2D24)

BIOACT 105

BAPS 180-009 General (G) Manual Solvent Cleaner

BIOACT 105 and BIOACT 105 Wipes

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

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

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

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

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

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

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

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

CFM INTERNATIONAL

BIOACT 105

CP# 2719 Rev 76

BIOACT 280E

CFM CP# 2720 Rev 76

CleanSafe 787C

CP # 2735

EMBRAER

LENIUM GS *pending*

ENGINE ALLIANCE (EA)

CleanSafe 787C

GP7000 SPM EAP-2202, Aqueous Cleaner, Immersion Cleaning

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GE AVIATION

AXAREL 56

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

BIOACT 105

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

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

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

BIOACT 280

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

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

BIOACT 280E

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

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

CleanSafe 787C

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)

GULFSTREAM AEROSPACE

BIOACT 105

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

BIOACT 145

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

HONEYWELL AEROSPACE

AXAREL 1000

MIL-PRF-680 qualifications (Type I)

AXAREL 2000

MIL-PRF-680 qualifications (Type II)

AXAREL 3000

MIL-PRF-680 qualifications (Type III)

AXAREL 4000

MIL-PRF-680 qualifications (Type IV)

BIOACT 105

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C5049 Cleaning of Titanium & Titanium Alloys

BIOACT 280

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

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

CleanSafe 787C

C5012 Aqueous Cleaning in accordance to EMS 53170 Material Requirements for Aqueous and Semi-Aqueous Degreasing (Type I, II Cleaner)

INTERNATIONAL AERO ENGINES (IAE)

BIOACT 105

CoMat 01-506 (Liquid), CoMat 01-506A (Pre-saturated Wipes)

BIOACT 280, BIOACT 280E

CoMat 01-460

CleanSafe 787C

CoMat 01-565

LOCKHEED MARTIN

AXAREL 1000

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

AXAREL 2000

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

AXAREL 3000

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

AXAREL 4000

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

LENIUM ES

EMAP G41.149

LENIUM GS

EMAP G41.149

LENIUM FHD

EMAP G41.149

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MESSIER-BUGATTI-DOWTY

AXAREL 56

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

AXAREL 2000

Messier-Bugatti Component Maintenance Manual 2-1577 Series (Task 32-41-81-100-801-A01) per MIL-PRF-680

AXAREL 3000

Messier-Bugatti Component Maintenance Manual 2-1577 Series (Task 32-41-81-100-801-A01) per MIL-PRF-680

CleanSafe 787C

Messier-Dowty PCS-2621 for use on all materials and coatings on Messier-Dowty parts (Memo LMP 09/031)

LENIUM ES

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

LENIUM GS

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

PRATT & WHITNEY

AXAREL 1000

PMC 9045, POP-350 Cleaning / Degreasing of metallic engine hardware using a hand wiping application

AXAREL 2000

PMC 9001-3, -4, -8 Stoddard Solvent (MIL-PRF-680, Type I, II or III)

AXAREL 3000

PMC 9001-5, -6, -9 Stoddard Solvent (MIL-PRF-680, Type I, II or III)

AXAREL 6100

Tested to Hot Corrosion Testing of Standard Gas Turbine Engine Alloys (AMS 4037, 4375, 6359, 5508, 5536, 5544, 5608)

BIOACT 105

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

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

Tested to PWA 36604 Rev D Hot Corrosion (AMS 4037)

BIOACT 280, BIOACT 280E

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

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

Tested to MCL E-205 Titanium Stress Corrosion Test

CleanSafe 787C

SPMC 190, SPS 190 Immersion Cleaning for SPOP 209 Degreasing of Parts by Aqueous Cleaning

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PMC 1465, PS 437 Alkali Cleaner (Immersion) for POP 1800-U Masking of Parts Prior to Selective Painting, Chemical Processing, Painting or Stripping
PMC 1465, PS 437 Alkali Cleaner (Immersion) for POP 573-AD Alkali Cleaning (Immersion)
PMC 1465, PS 436 Alkali Cleaner (Spray Wash) for POP 581-R Alkali Cleaning in Cabinet-Type Automatic Spray Wash Equipment
PWA 36604 Revision

PRAXAIR

LENIUM GS

ID# GDE 10055434

ROLLS-ROYCE

AXAREL 4100

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

OMat 1/257M Solvent Cleaner

AXAREL 6100

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

AXAREL 9100

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

OMat 1/257M Solvent Cleaner

BIOACT 105

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

OMat 1/257S Solvent Cleaner

BIOACT 280E

OMat 1/288D Wax Remover

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

CleanSafe 787C

CSS204 Aqueous Cleaners (MLC104 ISSUE 18 - APRIL 2009)

OMat 1/24AL Aqueous Cleaner

LENIUM FHD

OMat 1/21E Vapor Degreasing

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SAFRAN

CleanSafe 787C

In-1500 Products Used For Degreasing-Alkaline and Detergent Products

LENIUM ES

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

LENIUM GS

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

AXAREL 9100

Safran Power Systems (formerly Goodrich Power Systems) Co-Solvent Vapor Degreasing (w/ LENIUM IPS). Process Spec. NO: 914-014-078 to 085. Title: Solvent and Aqueous Degreasing & Cleaning. Issue: 9

LENIUM FHD

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

LENIUM IPS

Safran Power Systems (formerly Goodrich Power Systems) Co-Solvent Vapor Degreasing (w/ AXAREL 9100). Process Specification NO: 914-014-078 to 085. Title: Solvent and Aqueous Degreasing & Cleaning. Issue: 9

SCOTT AVIATION

LENIUM GS

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

SPIRIT AEROSYSTEMS

CleanSafe 787C

SPS 107630 Emulsion Cleaning & Aqueous Degreasing

UNITED SERVICES (*United Airlines MRO*)

AXAREL 1000

United Airlines SOL3001-1

BIOACT 105

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

CleanSafe 787C

United Services (United Airlines) CLE3007-34

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US DEPARTMENT OF DEFENSE (US DOD)

AXAREL 1000

MIL-PRF-680 Degreasing Solvent Type I Low Flash Point (Military Symbol SD-1) (DS-0020)

NSN# 6850-01-474-2302, 6850-01-474-2309, 6850-01-474-2313, 6850-00-264-9039

AXAREL 2000

MIL-PRF-680 Degreasing Solvent Type II High Flash Point (Military Symbol SD-2) (DS-0018)

NSN# 6850-01-474-2319, 6850-01-474-2317, 6850-01-474-2316, 6850-00-637-6135

AXAREL 3000

MIL-PRF-680 Degreasing Solvent Type III Very High Flash Point (200°F) (Military Symbol SD-3) (DS-0017)

NSN# 6850-01-474-2318, 6850-01-474-2320, 6850-01-474-2321

AXAREL 4000

MIL-PRF-680 Degreasing Solvent Type IV High Flash Point with Citrus Odor (Military Symbol SD-4) (DS-0023)

NSN# 6850-01-472-2722, 6850-01-472-2717, 6850-01-472-2719

AXAREL 4100

NSN# 8010-01-535-0740, Thinner, Paint Products

UTAS UTC AEROSPACE SYSTEMS

AXAREL 2000

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

AXAREL 3000

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

AXAREL 4100

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

AXAREL 6100

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

LENIUM ES

UTAS UTC Aerospace Systems Goodrich Landing LGPS 1400 Solvent Cleaning/Degreasing

LENIUM GS

UTAS UTC Aerospace Systems LGPS 1400 Solvent Cleaning/Degreasing

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