



# Coating & Paint Removers

by Vantage Performance Materials™



**Vantage Performance Materials** manufactures a complete range of safe and effective paint removers for aircraft exteriors and components. The line also consists of removers for polysulfide sealants and coatings and temporary protective coatings (TPCs).

PRODUCT	DESCRIPTION	APPROVALS & CONFORMANCE
<b>B&amp;B™ 9095</b> Aircraft Paint Remover	Military qualified aircraft paint remover. Designed to remove epoxy primers, polyurethane topcoats, polysulfides, belly tape, and other coatings from exterior aircraft surfaces. Clings to vertical and inverted surfaces. 18 month shelf life.	TO 1-1-8, TO 1-1-24, MIL-PRF-32587, C-130 LES, Boeing DPM 5549, Boeing BMS 10-144, Boeing DPS 9.316-3, Boeing D6-17487 (BSS 7432), Douglas CSD #1, Tinker AFB QPL Purchase Description OC-LC-2009-01, Lockheed Martin C-130 NTO, RAF NTO, Lockheed Martin EMAP G32.2356, Piper Aircraft Company
<b>B&amp;B 3095</b> Aircraft Paint Remover	Thickened, low odor paint remover designed to remove epoxy primers, base coats, clear coats, and other paint systems from exterior aircraft surfaces. Clings to vertical and inverted surfaces. 18 month shelf life. Conforms to key commercial OEM specifications.	United Airlines, SAE MA4872A, Boeing D6-17487 (BSS7432), Douglas CSD #1, ASTM F 519, ASTM F 483, ASTM F 1110, ASTM F 1080, Corrosion Test for Dissimilar Metals, Al/Cad Plate, Al/Ti, Ti/Cad Plate, Ti/Mg, Embraer MEP 21-016
<b>APR™ 2260</b> Aircraft Paint Remover	Safe, versatile paint remover designed for easy spraying of aircraft exterior surfaces. 12 month shelf life.	Boeing D6-17487 (BSS7432), Douglas CSD #1, SAE MA4872A, ASTM F483, ASTM F519, Dissimilar Metal Corrosion Test (Al/Steel, Al/St Cad Plate, Al/Ti, Ti/St, Ti/Mg, Al/Mg), Residue Corrosion Test (Al/Steel, Al/St Cad Plate, Al/Ti, Ti/St, Ti/Mg, Al/Mg)
<b>B&amp;B 9201</b> Immersion Paint Remover	Heated immersion paint remover for aircraft wheels, landing gears, and other aircraft components. Does not contain nMP. Uses an oil seal to safeguard against evaporative loss.	MIL-PRF-83936C Type I
<b>B&amp;B 5151-B</b> Polysulfide Sealant & Coating Remover	Gelled solution formulated to remove polysulfide sealants and coatings from aircraft structures. Does not contain nMP. Removes 3M, Royal, Flamemaster sealants.	Boeing D6-17487 (BSS7432) (B), Douglas CSD #1 (B), TO 1-1-8 (B)
<b>iTPC™ Remover 37</b> Inhibited Temporary Protective Coating Remover	Mild alkaline cleaner formulated to remove strippable temporary protective coatings (TPCs). Contains corrosion inhibitors. Low VOCs.	SAE AMS 7202
<b>BTR-130</b> Belly Tape Remover	Thickened, sprayable solution formulated to remove protective belly tape from aircraft surfaces.	<i>Pending</i> - Boeing BSS 7432 (formerly D6-17487), Douglas CSD #1

## Vantage Performance Materials

A Vantage Specialties Inc. Chemicals Business  
3938 Porett Drive  
Gurnee, Illinois 60031 USA  
**CAGE CODE: OWUA8**  
Tel 800 432 7187 or 847 244 3410  
Fax 847 249 6346  
[www.vantagegrp.com](http://www.vantagegrp.com)

APR, B&B, and iTPC are trademarks of Vantage Specialties, Inc

STTCPR2204-2





# Exterior Cleaners & Surface Treatments

by Vantage Performance Materials™



**Vantage Performance Materials** manufactures a range of aircraft cleaners and surface treatments for both painted and unpainted surfaces. Available in concentrated and ready-to-use formulas. Line includes cleaners to remove a range of soils, including dirt, grime, oils, hydraulic fluids, and corrosion inhibiting compounds (CICs).

PRODUCT	DESCRIPTION	APPROVALS & CONFORMANCE
<b>ISAP™ 311</b> Inhibited Surface Adhesion Promoter	Inhibited surface adhesion promoter engineered to clean and protect aircraft surfaces prior to painting. Non-Chromated. Functions with both chromated and non-chromated paint systems.	Boeing BSS 7432 (formerly D6-17487, Douglas CSD #1, ASTM D3359, ASTM F1111, ASTM F484, ASTM F502, ASTM F519, ASTM F485, ASTM F483
<b>PCR™ 1640</b> Prepaint Corrosion Remover	Acid etching solution for aluminum surfaces. Conforms to SAE AMS1640. Removes corrosion and prepares aircraft surfaces prior to conversion coating, painting, anodizing, or welding. Does not contain hydrofluoric acid.	SAE AMS 1640C (Supersedes MIL-C-38334), Corrosion Removing Compound for Aircraft surfaces
<b>BIOACT™ 108</b> CIC Remover & Solvent Cleaner	Solvent cleaner designed to remove corrosion inhibited compounds (CICs). Effectively cleans Cor-ban® 23 & 35, ARDROX® AV-8 and other difficult-to-remove soils. Replaces MEK and other hazardous solvents.	American Airlines, Boeing BAC 5750 & BAC 5355, Airbus AIMS 09-00-002, SAE AMS 1526C, Boeing D6-17487 (BSS 7432), Douglas CSD #1
<b>BIOACT 145</b> CIC Remover & Solvent Cleaner	Non-citrus CIC remover and general solvent cleaner for oils, greases, hydraulic fluids. Flash point above 140°F (60°C). May be used in confined areas such as bilges and equipment bays.	Airbus AIMS 09-00-002, American Airlines, Boeing D6-17487(BSS 7432), Douglas CSD #1, Gulfstream
<b>B&amp;B™ JET-22C</b> Aircraft Cleaner	All-purpose liquid aircraft exterior cleaner used undiluted or mixed with water.	Airbus AIMS 09-00-002, Boeing D6-17487 (BSS 7432), Douglas CSD #1, SAE AMS 1526C
<b>B&amp;B CONTACT XL</b> Aircraft Dry Wash	Wipe-on, wipe-off dry wash solution for aircraft exteriors. Rejuvenates paint. Reduces soil redeposition.	American Airlines, Boeing D6-17487 (BSS7432), United Airlines
<b>B&amp;B JET-7</b> Aircraft Cleaner	Ready-to-use liquid aircraft exterior cleaner for dirt, grime, light oil, and hydraulic fluid e.g. Skydrol®. Qualified to MIL-PRF-87937.	MIL-PRF-87937 Type IV, Airbus AIMS 09-00-002, Boeing D6-17487(BSS 7432)
<b>B&amp;B RE-GEL</b> Aircraft Cleaner	Gel-type aircraft exterior cleaner. Qualified to MIL-PRF-87937. Clings to inverted and vertical surfaces including wheel wells and undercarriage areas.	MIL-PRF-87937 Type III, Airbus AIMS 09-00-002, Boeing D6-17487 (BSS7432)

## Exterior Cleaners & Surface Treatments cont.

PRODUCT	DESCRIPTION	APPROVALS & CONFORMANCE
<b>B&amp;B 8525</b> Aircraft Cleaner	Concentrated liquid aircraft exterior cleaner for heavily soiled areas. Qualified to MIL-PRF-85570.	MIL-PRF-85570 Type II, Boeing D6-17487 (BSS7432)
<b>B&amp;B 1995</b> Aircraft Cleaner	Concentrated gel-type aircraft exterior cleaner for heavy soils. Clings to inverted and vertical surfaces including wheel wells and undercarriage areas. Qualified to MIL-PRF-85570.	MIL-PRF-85570 Type V
<b>B&amp;B CONTACT X</b> Aircraft Cleaner	Low abrasive spot cleaner for thrust, smoke trail, and rocket blast areas.	MIL-PRF-85570 Type III
<b>B&amp;B Sparkle A</b> Windshield Cleaner	Non-streaking, water-based windshield cleaner. Safe and effective on glass and acrylics.	American Airlines
<b>B&amp;B Odor Out</b> Deodorizer	Deodorizer for aircraft cabin interiors.	American Airlines, United Airlines

Please contact a Vantage sales professional for a detailed list of our aerospace approvals and conformance test data.

### Vantage Performance Materials

A Vantage Specialties Inc. Chemicals Business  
3938 Porett Drive  
Gurnee, Illinois 60031 USA  
**CAGE CODE: OWUA8**  
Tel 800 432 7187 or 847 244 3410  
Fax 847 249 6346  
[www.vantagegrp.com](http://www.vantagegrp.com)

B&B, BIOACT and PCR are trademarks  
of Vantage Specialties, Inc

STTEC2204-2





# Cleaning Solutions for Components & Assemblies

by Vantage Performance Materials™



**Vantage Performance Materials** manufactures solvent and aqueous cleaners formulated to clean aerospace components and assemblies in spray, immersion, ultrasonic, and vapor degreasing systems.

PRODUCT	DESCRIPTION	APPROVALS & CONFORMANCE
<b>CleanSafe™ 787C</b> Aqueous Cleaner	Ultra low-foaming aqueous solution for spray and agitated immersion cleaning equipment.	Bell Helicopter, Boeing BAC 5763 & BAC 5749, Boeing Defense Sys HMS20, CFM, Engine Alliance, GE Aviation C04-289, Honeywell, Messier-Dowty PCS-2621, Pratt & Whitney PMC 1465, Rolls-Royce CSS/OMat, Safran In-1500, Spirit AeroSystems, United Airlines, Williams International
<b>CleanSafe 686</b> Aqueous Cleaner	Concentrated aqueous solution for immersion and ultrasonic cleaning equipment.	Praxair Surface Technologies, Williams International
<b>B&amp;B™ TC-100</b> Aqueous Cleaner	Aqueous immersion cleaner for aircraft heat exchangers. Also used for gas path turbine engine cleaning.	MIL-C-85704 Type II, Airbus (Application Code 08AJA9/869200), Airbus AIMS 09-00-002, Boeing D6-17487 (BSS 7432), Boeing APU Prop-BN82T-C89-461, Boeing 747 AMM 49-11-00, Boeing 737 AMM, CFM (CP5060), Douglas CSD #1, GE Aviation (C04-140), Honeywell CMM (Heat Exchanger Cleaning), Pratt & Whitney CPMC 79038, Pratt & Whitney Canada EMM, United Airlines, SAE AMS 1550A
<b>AXAREL™ 2000</b> Solvent Cleaner	MIL-PRF-680 Type II solvent. Used for manual and immersion cleaning and degreasing. Very low odor. Safe and effective replacement for mineral spirits. Flash point above 140°F (60°C).	MIL-PRF-680 Type II, Airbus CML (08BBB1), Airbus A330 AMM American Airlines, Boeing BAC 5750, Embraer, GE Aviation, Honeywell, Lockheed-Martin, Messier-Bugatti, Pratt & Whitney, Rolls-Royce, United Airlines, UTAS
<b>AXAREL 3000</b> Solvent Cleaner	MIL-PRF-680 Type III solvent. Used for immersion cleaning and degreasing. Very high flash point (>200°F/93°C).	MIL-PRF-680 Type III, Airbus CML (08BBB1), Airbus A330 AMM, Boeing BAC 5750, Honeywell, Lockheed-Martin, Messier-Bugatti, Embraer, Pratt & Whitney, UTAS
<b>AXAREL PD-680-II</b> Solvent Cleaner	PD-680 Type II solvent. Used for manual and immersion cleaning.	A-A-59601E Type II (PD-680 CID), Airbus CML (08BBB1)
<b>AXAREL 56</b> Solvent Cleaner	Water-rinsible solvent cleaner for heated immersion equipment. Removes greases, heavy soils.	Boeing BAC 5200 & BAC 5763, GE Aviation, Messier-Dowty
<b>LENIUM™ GS</b> Vapor Degreasing Solution	Vapor degreasing solution based on stabilized n-Propyl Bromide (nPB).	Bell Helicopter, Boeing BAC 5408, Embraer, Lockheed-Martin EMAP, Messier-Dowty, Praxair, Safran In-1500, Scott Aviation, UTAS LGPS 1400, Williams International
<b>LENIUM FS</b> Vapor Degreasing Solution	Fluorinated vapor degreasing solution. Alternative to nPB, TCE and PERC. Removes straight hydrocarbon soils, water-soluble soils and flux residues. Does not require acid acceptance testing.	<i>Pending</i> - Boeing BSS 7432 (formerly D6-17487), Douglas CSD #1, Hot Corrosion Testing, SAE ARP 1755B

## Cleaning Solutions For Components & Assemblies cont.

PRODUCT	DESCRIPTION	APPROVALS & CONFORMANCE
<b>LENIUM HT</b> Vapor Degreasing Solution	Fluorinated vapor degreasing solution. Alternative to nPB, TCE and PERC. Removes straight hydrocarbon soils such as greases, hydraulic fluids, metalworking fluids. Does not require acid acceptance testing.	<i>Pending</i> - Boeing BSS 7432 (formerly D6-17487), Douglas CSD #1, Hot Corrosion Testing, SAE ARP 1755B
<b>BIOACT™ 280</b> <b>BIOACT 280E</b> Wax Remover	Bio-based cleaner for masking wax and fixturing compounds. 18-24+ month bath life. Replaces perchloroethylene (PERC), trichloroethylene (TCE), and hot oil products.	Boeing D6-17487 (BSS 7432), CFM, GE Aviation, Honeywell, IAE, Pratt & Whitney PMC 8913, Rolls-Royce CSS/OMat, United Airlines, Williams International
<b>AEROWAX™ MT</b> Wax Maskant	Medium melt point masking wax used for selective plating operations. 168-180°F (76-82°C) melt point range.	Pratt & Whitney PMC 9551 Masking Wax Compound, PWA 36604Revision D Stress Corrosion
<b>AEROWAX HT</b> Wax Maskant	High melt point masking wax used for selective plating operations. 180-190°F (82-88°C) melt point range.	

Please contact a Vantage sales professional for a detailed list of our aerospace approvals and conformance test data.

### Vantage Performance Materials

A Vantage Specialties Inc. Chemicals Business  
3938 Porett Drive  
Gurnee, Illinois 60031 USA  
**CAGE CODE: OWUA8**  
Tel 800 432 7187 or 847 244 3410  
Fax 847 249 6346  
[www.vantagegrp.com](http://www.vantagegrp.com)

AEROWAX, AXAREL, B&B, BIOACT,  
CleanSafe, LENIUM and are trademarks  
of Vantage Specialties, Inc

STTCSCA2204-2





# Manual Cleaners

by Vantage Performance Materials™



**Vantage Performance Materials** manufactures solvent blends to replace isopropyl alcohol (IPA), methyl ethyl ketone, (MEK), acetone, and other hazardous solvents in manual cleaning applications. Vantage™ products both clean and prepare the surface prior to bonding, sealing, and coating. Furthermore, these highly refined solvents help reduce Volatile Organic Compounds (VOCs) and lowers fire risk.

PRODUCT	DESCRIPTION	APPROVALS & CONFORMANCE
<b>BIOACT™ 105 &amp; BIOACT 105 Wipes</b> Solvent Cleaner	Qualified solvent cleaner used to replace IPA, MEK, acetone, and other hazardous solvents for general purpose degreasing and surface preparation. Low EHS impact. Available in liquid and pre-saturated wipes.	SAE AMS 3167 QPL, Airbus AIMS 09-00-002, American Airlines, Bell Helicopter, Boeing D6-17487 (BSS 7432), Douglas CSD #1, Bombardier BAPS 180-009 General & Q400 AMM, CFM, GE Aviation, Gulfstream, Honeywell, IAE, Pratt & Whitney PMC 8929, Rolls-Royce CSS/OMat, United Airlines, AMS 1526, AMS 3819 (BIOACT 105 Wipes)
<b>BIOACT 108</b> Solvent Cleaner	Solvent cleaner for Corrosion Inhibiting Compounds (CICs) e.g. Cor-ban® 23 & 35, ARDROX® AV-8. Also removes hydraulic fluids e.g. Skydrol®, adhesive residues and other soils. Excellent MEK replacement.	Airbus AIMS 09-00-002, American Airlines, Boeing BAC 5750 & BAC 5355, Boeing BMS11-14A, Boeing D6-17487 (BSS 7432), Douglas CSD #1, AMS 1526C
<b>AXAREL™ 1000</b> Solvent Cleaner	MIL-PRF-680 Type I solvent degreaser. Essentially no odor. Moderate dry times.	MIL-PRF-680 Type I, Airbus CML (08BBB1), American Airlines, Boeing BAC 5750, Embraer, Honeywell, Lockheed-Martin, Pratt & Whitney, Rolls-Royce, United Airlines, GE Aviation, Airbus A330 AMM
<b>AXAREL 2000</b> Solvent Cleaner	MIL-PRF-680 Type II solvent. Essentially no odor. Flash point above 140°F (60°C). Used for manual and immersion cleaning.	MIL-PRF-680 Type II, Airbus CML (08BBB1), Airbus A330 AMM, American Airlines, Boeing BAC 5750, Embraer, GE Aviation, Honeywell, Lockheed-Martin, Messier-Bugatti, Pratt & Whitney, Rolls-Royce, United Airlines, UTAS
<b>AXAREL 4000</b> Solvent Cleaner	MIL-PRF-680 Type IV solvent degreaser. Used when a higher flash point (>140°F/60°C) and strong solvency is desired. Mild citrus odor.	MIL-PRF-680 Type IV, Airbus CML (08BBB1), Airbus A330 AMM, Boeing BAC 5750, Embraer, GE Aviation, Honeywell, Lockheed-Martin
<b>AXAREL PD-680-II</b> Solvent Cleaner	General purpose solvent degreaser for manual and immersion cleaning. Conforms to A-A-59601E.	A-A-59601E Type II (PD-680 CID). Airbus CML, Williams International
<b>RE-ENTRY™ Prepsolv</b> Solvent Cleaner & Adhesive Remover	Citrus-based manual cleaner for adhesive residues, hydraulic fluids, and CICs.	Boeing BAC 5750

Please contact a Vantage sales professional for a detailed list of our aerospace approvals and conformance test data.

## Vantage Performance Materials

A Vantage Specialties Inc. Chemicals Business  
3938 Porett Drive  
Gurnee, Illinois 60031 USA  
**CAGE CODE: OWUA8**  
Tel 800 432 7187 or 847 244 3410  
Fax 847 249 6346  
[www.vantagegrp.com](http://www.vantagegrp.com)

AXAREL, BIOACT, and RE-ENTRY are trademarks of Vantage Specialties, Inc

STTMC2204





# Gas Path Turbine Engine Cleaners

by Vantage Performance Materials™



**Vantage Performance Materials** manufactures both aqueous and solvent based cleaners for aeroderivative gas turbines. These products can remove mineral deposits, debris, and oils to help restore engine efficiency. Available in both concentrated and read-to-use formulas.

PRODUCT	DESCRIPTION	APPROVALS & CONFORMANCE
<b>B&amp;B™ 3100</b> Gas Path Cleaner	Concentrated solvent cleaner for gas path, compressor and fuel nozzle cleaning in portable or stationary turbine engines.	MIL-PRF-85704 Type I, Boeing 737 AMM, CFM, GE Aviation, Pratt & Whitney Canada EMM, Williams International
<b>B&amp;B TC-100</b> Gas Path Cleaner	Aqueous gas path cleaner for turbine engines. Commercial aviation approvals.	MIL-C-85704 Type II, Airbus (Application Code 08AJA9/869200), Airbus AIMS 09-00-002, Boeing D6-17487 (BSS 7432), Boeing APU Prop- BN82T-C89-461, Boeing 747 AMM 49-11-00, Boeing 737 AMM, CFM (CP5060), Douglas CSD #1, GE Aviation (C04-140), Honeywell CMM (Heat Exchanger Cleaning), Pratt & Whitney CPMC 79038, Pratt & Whitney Canada EMM, United Airlines, SAE AMS 1550A
<b>B&amp;B TC-100N-3</b> Gas Path Cleaner	Military qualified aqueous gas path cleaner for turbine engines. Qualified for both on and off-line cleaning of the compressor section.	MIL-PRF-85704 Type II & Type III, Airbus (Application Code 08AJA1), American Airlines, Boeing 737 AMM, GE Aviation, Honeywell CMM (Heat Exchanger Cleaning), United Airlines
<b>B&amp;B TC-100N-3-RTU</b> Gas Path Cleaner	Military qualified Ready-To-Use (RTU) aqueous gas path cleaner for turbine engines. Qualified for both on and off-line cleaning of the compressor section.	MIL-PRF-85704 Type II RTU & Type III RTU, Airbus (Application Code 08AJA1), GE Aviation

Please contact a Vantage sales professional for a detailed list of our aerospace approvals and conformance test data.

## Vantage Performance Materials

A Vantage Specialties Inc. Chemicals Business  
3938 Porett Drive  
Gurnee, Illinois 60031 USA  
**CAGE CODE: OWUA8**  
Tel 800 432 7187 or 847 244 3410  
Fax 847 249 6346  
[www.vantagegrp.com](http://www.vantagegrp.com)

B&B is a trademark of  
Vantage Specialties, Inc  
STGPGC2204





# Avionics Cleaners

by Vantage Performance Materials™



**Vantage Performance Materials** manufactures a full range of electronic solutions formulated to clean printed circuit boards (PCBs), electronic components, stencils, and circuit assembly equipment. Effectively removes no-clean, RMA, and water soluble solder paste and flux residues, as well as ionic contamination and other manufacturing soils.

PRODUCT	DESCRIPTION
<b>BIOACT™ CCR-8</b> Conformal Coating Remover	Immersion solvent cleaner designed to remove acrylic & silicone-based conformal coatings from PCBs.
<b>AXAREL™ 2200</b> Solvent Cleaner & Defluxer	Multi-purpose manual cleaner and defluxer for stencils & PCBs. Safe and effective replacement for isopropyl alcohol (IPA). Eliminates white residues.
<b>BIOACT SC-10</b> Solvent Cleaner & Defluxer	Citrus-based manual defluxer for PCBs. Also effectively removes adhesive residues and acrylic-based conformal coatings.
<b>BIOACT EC-78</b> Batch Spray Defluxer	Aqueous defluxer for batch spray cleaning equipment.
<b>BIOACT EC-88</b> Ultrasonic Spray Defluxer	Low-foaming PCB defluxer for inline spray equipment. Designed for high throughput operations and hard-to-clean flux residues.
<b>BIOACT EC-98</b> Ultrasonic Spray Defluxer	Aqueous ultrasonic and immersion PCB defluxer.
<b>LENIUM™ ES</b> Vapor Degreasing Solution	Stabilized n-Propyl Bromide (nPB) solution designed to remove flux residues in vapor degreasing equipment.
<b>HYDREX™ EMC-44</b> Oven & Wave Solder Cleaner	Electronics maintenance cleaning solution designed to remove flux residues, greases and other soils in reflow ovens, wave solder machines, and pick-and-place systems.
<b>HYDREX EMC-86</b> Immersion Pallet Cleaner	Electronics maintenance cleaning solution designed to clean wave solder pallets in soak, agitated immersion, and ultrasonic cleaning systems.
<b>HYDREX SC-30 RTU</b> Underwipe Cleaner	Ready-To-Use stencil underwipe cleaner. Nitrogen & Phosphorous free. Safe and effective alternative to IPA.

Please contact a Vantage sales professional for a detailed list of our aerospace approvals and conformance test data.

## Vantage Performance Materials

A Vantage Specialties Inc. Chemicals Business  
 3938 Porett Drive  
 Gurnee, Illinois 60031 USA  
**CAGE CODE: OWUA8**  
 Tel 800 432 7187 or 847 244 3410  
 Fax 847 249 6346  
[www.vantagegrp.com](http://www.vantagegrp.com)

AXAREL, BIOACT, HYDREX, and LENIUM, are trademarks of Vantage Specialties, Inc

STTAC2204

