



Electronic Cleaning Solutions



PCBA Cleaners & Defluxers



Stencil & Misprint Cleaners



Semiconductor & Component Cleaners



Cleaners For Pallets & PCBA Equipment



PCBA Rework Solutions & IPA Replacements



PCBA CLEANERS & DEFLUXERS

Product	Description	Method	Use Conc	Use Temp
BIOACT™ EC-78 Aqueous Batch Defluxer	Low-foaming cleaner with inhibitors for batch and inline spray equipment. Designed for extended wash cycles and multi-pass cleaning.	Spray	5-25%	120-160°F (50-70°C)
BIOACT EC-88 Aqueous Inline Defluxer	Low-foaming cleaner for inline spray equipment. Designed for high throughput Operations and hard-to-clean flux residues. Reduces solder mask and component damage.	Spray	10-25%	120-160°F (50-70°C)
BIOACT EC-98 Aqueous Ultrasonic Defluxer	Concentrated, mildly alkaline defluxer for immersion & ultrasonic cleaning.	Immersion; Ultrasonics	5-25%	100-170°F (40-80°C)
BIOACT SC-22 Solvent Cleaner & Defluxer	pH Neutral solvent cleaner. Does not require water rinsing. Good for defluxing PCBAs before conformal coating. Flash Point 144°F (62°C).	Immersion; Ultrasonics	100%	Ambient
AXAREL™ 2200 Solvent Cleaner & Defluxer	Solvent cleaner designed to replace isopropyl alcohol (IPA). Removes white residues. Flash Point 111°F (44°C).	Immersion; Manual	100%	Ambient
LENIUM™ ES Vapor Degreasing Solution	Stabilized vapor degreasing and defluxing solvent. Based on n-Propyl Bromide (nPB). Excellent on RMA solder paste flux residues.	Vapor Degrease	100%	148-151°F (64-66°C)



STENCIL & MISPRINT CLEANERS

Product	Description	Method	Use Conc	Use Temp
HYDREX SC-30 RTU Ready-To-Use Stencil & Underwipe Cleaner	Ready-To-Use, water rinse-free cleaner designed for stencil & misprint cleaning. Also used for stencil underwipe and manual cleaning. Nitrogen & Phosphorous free. pH Neutral. Low VOCs.	Spray; Immersion; Ultrasonics, Manual; Underwipe	100%	115-130°F (46-54°C) in cleaning equipment
HYDREX SC-2075 Concentrated Rinse-free Stencil Cleaner	Powerful, rinse-free solvent for removing uncured Surface Mount Device (SMD) adhesives and raw solder pastes.	Immersion	5-15%	115-130°F (46-54°C)
HYDREX™ SP-50 Water-rinsable Stencil Cleaner	Water-rinsable cleaner for uncured SMD adhesives & raw solder pastes. pH Neutral. Low Volatile Organic Compounds (VOCs).	Spray	5-15%	115-130°F (46-54°C)
HYDREX A-PLUS Immersion & ultrasonic Stencil Cleaner	Water rinsable cleaner for uncured SMD adhesives & raw solder pastes. Safe on nano-coatings. pH Neutral. Low VOCs.	Ultrasonics	5-25%	100-170°F (40-80°C)
BIOACT SC-22 Solvent Immersion Deffluxer & Cleaner	Powerful, rinse-free solvent for removing uncured Surface Mount Device (SMD) adhesives and raw solder pastes.	Immersion	100%	Ambient to 125oF (49°C)
AXAREL 2200 Solvent Cleaner & Defluxer	Multi-purpose manual cleaner for stencils & misprints. Also used in offline cleaning systems & printer underwiping. Replaces IPA. Flash Point 111°F (44°C).	Manual	100%	Ambient

Note: Certain types of solvents may require specialized equipment designed for handling flammable or combustible materials.



SEMICONDUCTOR & COMPONENT CLEANERS

Product	Description	Method	Use Conc	Use Temp
AXAREL 32 Water-rinsable Immersion Cleaner & Defluxer	Water rinsable solvent cleaner. pH Neutral. Removes ionic contamination, high temp flux residues, oils & other manufacturing contaminants. Flash point 205°F (96°C).	Immersion	100%	Ambient to 160°F (71°C)
BIOACT EC-15 High Flash Point Immersion Cleaner & Defluxer	Water rinsable solvent cleaner. Mildly alkaline. Used at elevated temperatures to effectively remove baked-on solder paste flux residues. Flash point 310°F (154°C).	Immersion; Ultrasonics	100%	140-180°F (60-82°C)
BIOACT SC-22 Rinse-free Immersion Solvent Cleaner & Defluxer	Water rinse-free solvent cleaner for agitated immersion systems. Flash Point 144°F (62°C).	Immersion; Ultrasonics	100%	Ambient to 125°F (49°C)
AXAREL 2200 Solvent Cleaner & Defluxer	Versatile solvent cleaner suitable for manual hand wipe & immersion cleaning. Removes flux residues & other manufacturing contaminants. Flash Point 111°F (44°C).	Manual; Immersion	100%	Ambient



CLEANERS FOR PALLETS & PCBA EQUIPMENT

Product	Description	Method	Use Conc	Use Temp
HYDREX EMC-44 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.	Manual	100%	Ambient
HYDREX EMC-86 Immersion Pallet Cleaner	Electronics maintenance cleaning solution designed to clean wave solder pallets in soak, agitated immersion and ultrasonic cleaning systems.	Immersion; Ultrasonics	10-20%	130-150°F (55-65°C)
HYDREX EMC-20 Spray Pallet Cleaner	Electronics maintenance cleaning solution designed clean wave solder pallets in spray-in-air cleaning systems.	Manual	100%	130-150°F (55-65°C)
AXAREL 2200 Solvent Cleaner	Versatile solvent cleaner for pallets, reflow ovens & cleaning of PCBA equipment. Flash Point 111°F (44°C).	Spray	10-20%	140-180°F (60-82°C)
BIOACT SC-22	Powerful, rinse-free solvent cleaner for agitated immersion cleaning systems.	Immersion; Manual	100%	Ambient
ScaleSafe™ 9430	Aqueous descaler ideal for removing buildup in defluxing equipment.	Spray-In-Air	20%	120-160°F (50-70°C)



PCBA REWORK SOLUTIONS & IPA REPLACEMENTS

Product	Description	Method	Use Conc	Use Temp
BIOACT CCR-8 Conformal Coating Remover	Powerful solvent cleaner designed to remove acrylic & silicone-based conformal coatings. Flash point 120°F (49°C).	Immersion; Manual	100%	Ambient
AXAREL 2200 Solvent Cleaner & Defluxer	Versatile solvent cleaner for removing flux residues during rework. Also removes tape residues, raw solder pastes & uncured SMD mount adhesives. Replaces IPA. Eliminates white residues. Flash Point 111°F (44°C).	Immersion; Manual	100%	Ambient
BIOACT EC-7M Solvent Cleaner & Defluxer	Bio-based manual cleaner for removing adhesives, flux residues, inks, oils, greases, & silicone-based conformal coatings. Citrus odor. Flash Point 117°F (48°C).	Manual	100%	Ambient
BIOACT SC-10 Solvent Cleaner & Defluxer	Fast evaporating cleaner ideal for cleaning flux residues. Also removes tape residues & acrylic-based conformal coatings. Replaces IPA. Eliminates white residues. Flash point 105°F (41°C).	Manual	100%	Ambient

Note: Certain types of solvents may require specialized equipment designed for handling flammable or combustible materials.

COMPLETE SOLUTION

For more than 35 years, Vantage Surface Treatment Technologies (STT) has manufactured and supplied high reliability cleaning products and surface treatments for the electronic component and printed circuit board assembly (PCBA) market. Our products are designed for use in standard inline and batch defluxing systems, stencil and misprint cleaning equipment as well as vapor degreasing systems. We also offer a complete portfolio of manual hand-wipe cleaning products which are ideal replacements for isopropyl alcohol (IPA).

TRUSTED BRANDS

Marketed under the AXAREL™, BIOACT™, LENIUM™, HYDREX, RE-ENTRY™ and ScaleSafe™ brands, these products are specially formulated to meet today's performance, compatibility and environmental requirements.

APPLICATIONS & PROCESSES

Vantage electronics cleaning products are used in the following areas:

- PCBAs for Aerospace, Auto, Defense, Medical
- Wafer level packages and bumped wafers
- PCBA equipment
- Power and ignition modules
- Pallets
- RF and microwave devices
- Flip chips, MCMs, SiPs, BGAs, CSPs, & Hybrid Electronics
- Probe cards
- Sensors – pressure, temperature, optical
- Stencils

CONTAMINATES REMOVED

- No-clean flux residue
- RA/RMA flux residue
- Water-soluble flux residue
- Misprinted (raw) solder paste
- Ionic contamination
- Uncured surface mount adhesive
- Particulate matter
- Baked-on-grease/ oil
- Mold release agents
- Rubber/ elastomers
- Plastics/ resins
- Shop dirt
- Fingerprints
- Dust

CUSTOMER LOYALTY

- Apple
- Crane Aerospace & Electronics
- Delphi
- Ducommun
- EPCOS
- Fabrinet
- Flextronics
- Fluke
- Foxconn
- Gentex Corporation
- Halliburton
- Honeywell
- JABIL
- L3
- LG Innotek
- LITEON
- Lockheed Martin
- Microsoft
- Philips
- Prismview
- Sanmina
- Schlumberger
- SigmaTron Int'l
- Skyworks
- Sparton
- Spectrum Controls
- TDK
- Teledyne



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

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