



# World Class Cleaning Solutions for Space & Aerospace



## OEM AND MRO

BHC's line of approved and tested cleaners provide safer, advanced solutions for space and aerospace manufacturing and maintenance facilities.

### Solutions That Deliver

Critical Cleaning for Space Flight Components • Degreasing of New Parts • Low or No VOC's Cleaning & Carbon Removal for Heavy-Duty Rebuild • Long Tank Life for Reduced Cost



### AquaVantage® PRECISION CLEANERS

AquaVantage aqueous detergents deliver better parts cleaning/degreasing, broad material compatibility and reduced costs. Proven solvent replacement technology for Manufacture (OEM) & Rebuild (MRO) critical parts cleaning.

#### AquaVantage 815 GD The Cleaning Standard in Immersion & Ultrasonic Detergents

- Mildly alkaline solution which cavitates ultrasonics with unparalleled performance providing a water break free surface.
- Use during the manufacturing or rebuild of Aerospace components in immersion, mildly agitated or ultrasonic cleaning processes.

#### AquaVantage 1990 GD The Industry Standard Spray Wash Detergent

- Mildly alkaline solution with excellent particulate removal abilities. Free rinsing.
- Use during the manufacturing or rebuild of Aerospace components in inline or cabinet type spray wash cleaning processes.



#### AquaVantage 815 GD-NF\* APE/NPE-Free Alternative

#### AquaVantage 3843 GD High Performance, Phosphate-Free Immersion & Ultrasonic Detergent

- APE/NPE/VOC-free, non-phosphated solution research-developed to remove straight oils that are difficult to remove.
- A mildly alkaline solution which cavitates ultrasonics with unparalleled performance.
- Typically used in immersion, highly turbulated or ultrasonic cleaning processes – also non-foaming in spray wash applications.

#### AquaVantage 3887 GD High Performance Spray Wash Detergent

- APE/NPE/VOC-free, mildly alkaline detergent provides exceptional cleaning on a variety of soils with long tank life and simplified tank maintenance.
- Excellent for MRO facilities. Highly effective when used in in-line or cabinet spray wash and highly turbulated cleaning systems, as well as immersion. Can also be used in turbulated immersion systems.



#### AquaVantage 1696 GD Neutral pH, Non-Silicated Spray Wash Detergent

- A neutral pH, non-silicated, non-phosphated, APE/NPE-free non-foaming aqueous degreasing chemistry.
- Ideal for cleaning sensitive metals like cadmium and copper/alloys, plastics and elastomers.
- Can be used in immersion, in-line or cabinet spray wash and highly turbulated immersion cleaning systems.

*\*Version fulfills requirements for EU/REACH, Canada and other jurisdictions where NPE is restricted.*



### SolVantage® METAL PREP SOLVENTS

#### SolVantage MP 1793

- Multi-purpose wipe, recirculating tank and ambient temperature immersion degreasing solvent. Can be used as a pre-clean to remove heavy greases and oils prior to other degreasing processes.
- Quick drying – will leave a low residue surface for further metal prep. High dielectric strength.

#### SolVantage MP 1793 Wipes

- RTU solvent-saturated wipe/towelette.

#### SolVantage SD 1291

- Low-odor, quick drying multi-purpose RTU wipe solvent for degreasing, replacement of MEK in removal of CIC and waxes. Residue-free.



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Recommended Use		Industry Approvals/Compliance or Test Conformance (See Specifications Conformance & Testing for Details)				
Manufacturing (OEM)	Rebuild/Overhaul (MRO)	Airframe	Engine	Wheel/Brake/Landing Gear	LOX Component	
<ul style="list-style-type: none"> <li>● Excellent Conformance/Effectiveness</li> <li>○ Confirms/Effective in Application</li> </ul>						

Precision Cleaners	AquaVantage 3887 GD	●	●	●	●	○	
	AquaVantage 815 GD	●	●	●	●	●	●
	AquaVantage 815 GD-NF	●	●	●	●	●	
	AquaVantage 1990 GD	●	○	●	●	●	●
	AquaVantage 3843 GD	●	●	●			
	AquaVantage 1696 GD	●		●	●	○	
Metal Prep Solvents	SolVantage 1793 and 1793 Wipes	●	○	●	●	○	
	SolVantage SD 1291	●	●	●			

## PROVEN SOLUTIONS

### OUR APPROACH

- BHC's process cleaning solutions have been developed in consideration of your soils, your systems/equipment and your substrates ... without the compromises of an "all-purpose" solution.
- With over 80 years of proven experience, BHC will work with you to develop a distinct cleaning process solution for you and recommend ways to optimize your process.

Let us prove it to you with our Three Step Process:

1. System Health Check
2. Process Prescription
3. Confirmation Trial

“The first aqueous cleaner approved for manned space flight gives improved bond strength between critical space shuttle components compared to solvent cleaning.”

~ A leading NASA contractor

“AquaVantage 815 GD is the product that best degreases and safely removes inks in one step on aircraft aluminum.”

~ A major airframe manufacturer

“BHC's detergent and custom filtration process significantly extends cleaning tank life and completely eliminates cleaning process waste to drain.”

~ Aerospace subcontractor

Authorized Representative:

**Ekomaziva s.r.o.**  
**www.ekomaziva.cz**  
**info@ekomaziva.cz**  
**+420 374 802 803**



317.923.3211  
 WWW.BHCINC.COM  
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