



# World Class Cleaning Solutions for The Space Industry

## Critical Cleaning

Cutting edge chemistries that are tailored to the Space Industry market with Liquid Oxygen Component (LOX) approval for manufacturing, and are supported by BHC Process Specialists.

### Solutions That Deliver

Critical Cleaning for Space Flight Components • Degreasing of New Parts • Low or No VOC's  
High Performance Soil removal • Long Tank Life for Reduced Cost

AquaVantage aqueous detergents deliver better parts cleaning/degreasing, broad material compatibility and reduced costs. Proven solvent replacement technology for manufacturing and critical parts cleaning.

### Immersion & Ultrasonic

#### AquaVantage® 815 GD

The Cleaning Standard in Immersion & Ultrasonic Detergents

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

### Spray Wash

#### AquaVantage® 1990 GD

The Industry Standard Spray Wash Detergent

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



### Solstice® PF-HP - Cleanliness Verification/ Degreasing

- NASA Selected.
- ASTM G72/G72 m-15 Approved for LOX Components.
- Safe and effective choice for cleaning parts which will be used in oxygen service.
- High cleaning performance, non-flammability, low toxicity, and low volatility.
- Less than 2 ppm NVR.

### Solstice® PF-HP Spray - Spray Cleaning

- NASA Selected.
- ASTM G72/G72 m-15 Approved for LOX Components.
- Cleans Mineral Oils, Heavy Grease, Silicone Oils, Vacuum Oils, Silicone Grease, Refrigerant Oils, Cutting Oils, and Fluorinated Oils.
- Utilize Solstice PF-HP Spray for applications where preferable over use of Standard Solstice PF-HP.

## 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



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