



AquaVantage®

SHOPVANTAGE

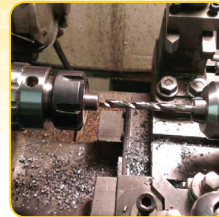
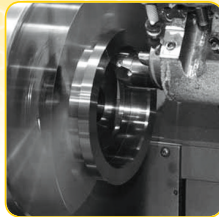
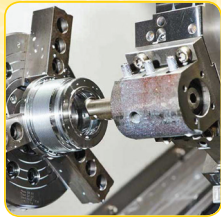


LTS



Energy Efficient Spray Wash Detergent, also Suitable for Immersion/Ultrasonic

ShopVantage®



AquaVantage LTS is the award winning product of choice in spray wash cleaning applications where energy savings are critical, heating capacity is limited, and powerful cleaning is needed in an ambient temperature range. Exceptional in its ability to remove a broad range of manufacturing soils and is safe on virtually all metals including steels, aluminum, copper alloys, magnesium, nickel alloys and titanium at reduced temperatures for greater versatility and economy.

Benefits

- **Energy Savings** - Reduced Carbon Footprint due to Low Temperature Operation
- **Contains no APE/NPE, Phosphates, Caustic, Butyl, Silicates, Borates**
- **Extends Bath Life** – Creates Labor Savings & Reduces Costs
- **Water-Based, Dilutable Formulation** – Dilutes Specific to Your Application
- **Non Foaming at Temperatures above 75°F (24°C)**
- **Neutral pH - Worker Safety**
- **Free Rinsing** – Cleaner Parts & Simplified Cleaning
- **Separates Oil Effectively for Easy Skimming**
- **No Hazardous Ingredients as Listed on the SDS (w/OSHA PELs)**
- **Reduced Cleaning Rework & Rejects**
- **RoHS Compliant**
- **In-Process Corrosion Control**

TANK MAINTENANCE

Proper maintenance of your spray wash system will ensure the longest possible detergent bath life, the best parts cleaning performance and the optimal assurance against part corrosion.

BHC has developed Maintenance Guidelines for Aqueous Detergent Tanks, a comprehensive flow chart to illustrate the process and a step-by-step video to guide you through.

Concentration Verification for AquaVantage LTS

BruLin Titration Kit (Prod. No. XTRKIT)	
Sample Size:	50 mL
Titrant:	1.0 N HCl Solution
Indicator:	Bromophenol Blue (5 Drops)
Concentration %:	Drops Titrant x 0.414



AquaVantage® LTS



Performance Properties

Substrates

AquaVantage LTS is non-corrosive and non-staining to a wide variety of alloys. Some selected categories of materials compatible with AquaVantage LTS include*:

Ferrous Metals: Carbon Steel • Stainless Steel

Non-Ferrous Metals & Alloys: Aluminum • Cadmium Plating • Chrome Plating • Copper (Alloys & Plating) • Nickel, Nickel Alloys & Plating • Titanium & Titanium Alloys

Plastic & Composites: Acrylics • High Density Polyethylene/HDPE • Nitrile Butadiene Rubber • Polyvinyl Chloride/PVC • Rubber

Soils

AquaVantage LTS removes a wide range of organic and inorganic soils. Some categories of soils that can be removed with AquaVantage LTS include*:

Coolants • Dirt (Particulate) • Oil (General, Cutting, Hydrocarbon, Lubricants, Self Emulsifying, Water Soluble)

*Material compatibility should always be confirmed via testing with specific contaminants under specific cleaning conditions.

Use Recommendations

System	Spray Wash Systems (Batch or Continuous)
Dilution	5-15%, typically used at 7% (Heavy Duty 10%-15%)
Cleaning Temperature Range	75-170°F (24-77°C), typically used at 75-100°F (24-38°C)
Cleaning Duration	1-30 minutes: typical parts are clean in 3-10 minutes
Rinse Temperature	75°F (24°C)
Rinse Water Quality	Recommended conductivity of final rinse water: <ul style="list-style-type: none"> • Ultra-Clean Applications: ≤ 50 microsiemens • Precision Cleaning: ≤ 500 microsiemens • Gross Cleaning: > 500 microsiemens
To avoid spotting, it is best if the parts remain wet between processing stages.	

Authorized Representative:

Typical Chemical Characteristics

Physical Form	Liquid
Color	Slight Yellow
Fragrance	Mild
Viscosity	Water-thin
Weight	8.59 lbs/gal (1.032 g/ml)
pH of Concentrate	~ 7.8
pH of Working Solution	~ 6.4 – 8.4
Flash Point (PMCC)	None to boiling
Foaming Tendency	Very Low
Calculated V.O.C	0% (0 g/l)

Shipping: Non-hazardous for shipping by ground, sea, or air in all package sizes.

Storage: Store in well-ventilated areas at temperatures between 40-110°F (4-43°C). The recommended shelf life of this product is 18 months.

Disposal: Dispose of waste and residues in accordance with local authority requirements. Please recycle container.

Prevention: Wear safety glasses with side shields (or goggles). Wash hands thoroughly after handling.

Product Number: 431046

Availability:

- 5 Gal (19L)
- 55 Gal (208L)
- 275 Gal Tote (1,041L)
- Bulk - up to 5,000 Gal (~19,000L)

BHC offers a full line of Brulin-branded industrial chemicals for industries such as Space, Aerospace, Transportation, Medical and Optics.



317.923.3211

WWW.BHCINC.COM

ISO 9001:2015 CERTIFIED

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