



## **CHALLENGE 800 SERIES PRODUCTS**

### **AQUEOUS DETERGENTS FOR ULTRASONIC/MEGASONIC CLEANING**

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**803-B 803-HT 803-S 807-B 807-HT 807-S 810-B 810-HT 810-S 813-B 813-HT 813-S**

**CHALLENGE 800 Series Products** are water-based, ultrasonic/megasonic detergents formulated to increase the cavitation energy released upon substrate surfaces for more effective cleaning. Used at economical dilution ratios, CHALLENGE 800 Series Products will remove light organics and sub-micron particles. They are typically used to remove post-process residues after grinding, slicing, lapping, etching and polishing. CHALLENGE 800 Series Products can be used in heated or unheated ultrasonic tanks, and are also recommended for brush and dip tank applications.

#### **Benefits:**

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- Superior wetting ability
- Free rinsing - leave no film or residue
- Economical and safe to use
- Fully compatible with other CHALLENGE products

#### **Products:**

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- CHALLENGE 803 Series pH @ 3% = ~ 3.5
- CHALLENGE 807 Series pH @ 3% = ~ 6.7
- CHALLENGE 810 Series pH @ 3% = ~ 10.4
- CHALLENGE 813 Series pH @ 3% = ~ 12.0

#### **Directions:**

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It is recommended that evaluations of CHALLENGE 800 Series Products begin at a dilution of 3% mixed with deionized (DI) water. Tap water that does not contain hard water ions is also acceptable. The type/degree of residue to clean (organics, particles, etc.) and the surface energy of the material determine the CHALLENGE 800 Series Product to use. A trained Intersurface Dynamics Sales Engineer will assist in making the correct recommendation for optimum cleaning performance. Other factors to consider include temperature, exposure time and the power of the cleaning equipment in use.

#### **Additional Information:**

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VECTOR Products are available in 5-gallon pails and 55-gallon drums, F.O.B. Bethel, Connecticut, and include: grinding fluids, sawing fluids, rinse/wash agents and ultrasonic detergents. Call regarding warehouse distribution in Seoul, KOREA, Tokyo, JAPAN and Zurich, SWITZERLAND. Material Safety Data Sheets are available upon request.