



Highlights

- Highly economical
- Superior wetting ability
- Free rinsing – leave no film or residue
- Environmentally friendly and non-hazardous
- Fully compatible with other CHALLENGE products

Detergent

CHALLENGE 803S

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.

Typical applications

Ceramic, fused silica, glass, polycarbonate lens

| Slurry additive | Base material | Dilution ratio | pH value | Specific gravity |
|-----------------|---------------|----------------|----------|------------------|
| CHALLENGE 700HT | Water | 30:1 | 9.8 | 1.03 |
| CHALLENGE 803S | Water | 30:1 | 3.5 | 1.05 |



CHALLENGE grinding fluids improve the quality and consistency of the cut, while also prolonging diamond wheel lifetime.



CHALLENGE lapping additives dramatically improve slurry properties for more consistency and control.



Pureon offers a wide range of customized solutions. Get in touch with us.

Product specifications

Base material Water
Shelf life 24 months

Order information

Packing Product is available in 5-gallon pails and 55-gallon drums. Other sizes available upon request.
Unit of measure Gallon [gal]

Application recommendations

Handling 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.

Storage Product should be stored in a temperature controlled environment. Prolonged exposure to temperatures at or below 32 ° Fahrenheit (0 °C) is discouraged. Prolonged exposure to temperatures at or above 100 ° Fahrenheit (38 °C) is also discouraged. In addition, material should always be sealed when not in use to prevent evaporation.

Disposal Dispose of in accordance with all applicable local regulations.

This product is manufactured by Intersurface Dynamics.

Contact

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