



Highlights

- Highly economical
- Reduces scratching due to plate and/or pad contamination
- Minimizes scratching from in-process handling
- Prevents staining
- Facilitates downstream cleaning processes
- Minimizes plate and/or pad cleaning and maintenance

Detergent

CHALLENGE 700HT

CHALLENGE 700HT is a synthetic formulation developed for the rinsing and wet storage of lapped and/or polished parts. CHALLENGE 700HT minimizes scratching from in-process handling; protects parts from staining; and prevents hard-to-clean particles from adhering to the part surface for more effective downstream cleaning.

Also recommended for the rinsing and/or washing of lapping plates, CHALLENGE 700HT removes process debris from both the plate's surface and grooves, thereby preventing the formation of iron oxide and/or abrasive particle aggregates that can dislodge and cause scratching. When used for rinsing and/or washing polishing pads, CHALLENGE 700HT prevents staining; increases pad life by keeping the pore structure open; and reduces the frequency of pad conditioning.

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. More information can be found on www.pureon.com/products/overview

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 CHALLENGE 700HT is used at dilutions ranging from 2% – 3%, depending on the condition and type of lapping equipment being used and the work piece. Evaluation should begin at 2% with deionized or tap water. It is fed into the rinse line and flooded over the lapping surface either before the parts are placed on the plate, or after lapping is completed.

After the lapping plate has been lifted, 700HT should be flooded over the surface. This breaks the surface tension between the parts and the plate, and removes any remaining swarf, which could cause scratching and complicate handling. Parts can then be removed, re-rinsed and stored in 2% 700HT bath. For polishing applications follow the same dilution guidelines.

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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