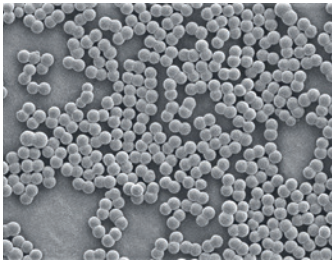


Lapping and polishing slurries



Colloidal silica slurry

ULTRA-SOL® 7H-PH4



Pureon colloidal silica particles feature tight particle size distributions and industry leading lot-to-lot consistency.

Low pH colloidal silica slurry featuring ultra controlled particle distribution for metal polishing

ULTRA-SOL® 7H-PH4 is a highly acidic colloidal silica product, making it ideal for metals such as beryllium, magnesium, and other metal films. The chemical action combined with the small colloidal particle provide excellent removal rates and finish. Pureon offers colloidal silicas in both neutral and alkaline alternatives, at a wide variety of pH levels. Please contact your Pureon Representative if a custom blend is required.

Product specifications

Base materialColloidal silica
 Shelf life.....12 months
 ApplicationsBeryllium, magnesium



Pureon ready-to-use slurries are available in customer-tailored formulations in a wide range of viscosities.

Order code	Base material	Particle size [µm]	pH	Solids content [%]	Specific gravity
ULTRA-SOL® 2EX	Colloidal silica	0.07	11.0	30.5	1.20
ULTRA-SOL® 3EX	Colloidal silica	0.07	7.3	30.0	1.20
ULTRA-SOL® 4A	Colloidal silica	0.03	9.5	30.0	1.20
ULTRA-SOL® 556	Colloidal silica	0.06	8.5	50.0	1.39
ULTRA-SOL® 558	Colloidal silica	0.09	11.9	28.0	1.19
ULTRA-SOL® 7A	Colloidal silica	0.06	10.0	30.0	1.20
ULTRA-SOL® 7H-PH4	Colloidal silica	0.07	4.0	30.0	1.20
ULTRA-SOL® NX88	Colloidal silica	0.13	10.5	16.3	1.10
ULTRA-SOL® NX88H	Colloidal silica	0.13	10.5	26.0	1.18
ULTRA-SOL® S27	Colloidal silica	0.07	9.3	50.0	1.24

Contact

sales@pureon.com

www.pureon.com/sales-contacts

Order information**Packing**

1 gal jugs, 5 gal pails, and 55 gal drums. Other sizes available upon request.

Unit of measure

Gallon [gal]

ULTRA-SOL® 7H-PH4 highlights

- All-purpose colloidal silica featuring acidic chemistry and a low pH of 4.0
- Narrow particle distribution promotes control and consistency
- Compatible with pads or pitch, on CPs, spindles, batch-process, single-wafer, and CNC tools
- Ideal for applications where strong chemistry required to soften surfaces, enhancing removal rate and surface finish



Pureon offers a wide range of customized solutions. More information can be found on www.pureon.com/products/overview

Instructions**Handling**

This material is a safe, aqueous based slurry. To avoid skin or eye irritation, however, handlers should use appropriate personal protective equipment including: rubber gloves, protective clothing, and eye protection. Follow all MSDS, Safety Data Sheet, and label precautions when handling this slurry. Also follow all appropriate industrial safety and hygiene practices when handling or using this product.

This slurry is designed as a ready to use product directly from the container. If the slurry is to be used in a diluted form, Pureon recommends using only high-quality deionized water (>18 Mohm) for the dilution. The product should be mixed periodically (10 to 20 minutes per day) by recirculation or mechanical stirring to ensure that the particles are uniformly suspended. To avoid possible scratching issues, storage and re-use of on-site diluted slurry is not recommended without proper mixing and filtration.

Due to the unique formulation of this slurry, it is recommended that the user not adjust the pH. If a different pH is required, please contact your Pureon Applications Engineer for assistance with your specific process need.

Storage

It is recommended that products be stored up to the expiration date at temperatures between 4 °C and 33 °C (40 °F and 90 °F). Products can be stored if kept above freezing (0 °C or 32 °F), and kept below 38 °C (100 °F) if prolonged exposure at temperatures at either extreme are avoided. Storage outside of the recommended conditions may result in irreversible product damage. In the event of exposure outside of the recommended conditions, please contact your Pureon representative for recommendations. In all cases the products should be allowed to return to room temperature prior to use.

Disposal

Dispose of in accordance with all applicable local regulations.

All information is non-binding and provided for information purposes only. Subject to change without notice.