



Highlights

- General purpose colloidal silica designed to polish various optical materials
- Highly dilutable, allowing for on-site flexibility and reduced cost of ownership
- Not dangerous and not hazardous as defined by transport regulations
- Manufactured under ISO 9001, IS14001, and ISO 50001

Colloidal silica slurry

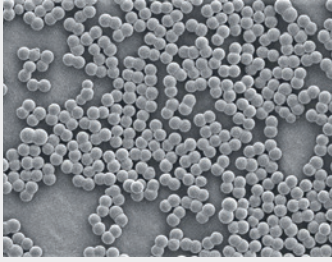
KÖSTROSOL® 3530 / 3550

KÖSTROSOL® is a milky mobile aqueous dispersion of amorphous silicon dioxide nanoparticles. This large-size colloidal silica has a negatively charged surface (anionic) which is stabilized by Alkaline (Na). The particles are made from high-purity alkali silicate. They are spherical and generally non-crosslinked and are hydroxylated at the surface. KÖSTROSOL® colloidal silica is commonly used to polish glass, optical lenses, bearings, sapphire, and single crystals such as fluorspar.

Typical applications

Glass, sapphire, fluorspar

Properties and similar products	Base material	Particle size [µm]	pH value	Solids content [%]	Stabilizing agent
KÖSTROSOL® 3530	Colloidal silica	0.07	9.8	30.0	Sodium
KÖSTROSOL® 3550	Colloidal silica	0.07	9.8	50.0	Sodium



KÖSTROSOL® colloidal silica slurries are cost-effective polishes for a wide variety of materials and substrates.



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



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

Product specifications

Base material Colloidal Silica
Shelf life 12 months

Order information

Packing 5 gal jugs and 55 gal drums.
Other sizes available upon request.
Unit of measure Gallon (gal)

Application recommendations

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 M ohm) 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 5 °C and 25 °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. Frost susceptible material. 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.

This product is manufactured by CWK.

Contact

Pureon
sales@pureon.com
www.pureon.com/sales-contacts