

Description

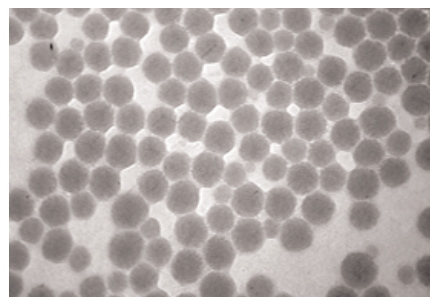
Ultra-Sol 2EX is a polishing slurry carrying a colloidal silica specifically designed for use on devices, oxide layers, and in some optical applications. This product is made from highly stabilized colloidal base particle. In addition, the base chemistry is potassium hydroxide stabilized, making it ideal in applications where other stabilizing agents are incompatible.

The enhanced pH and 70nm colloidal silica particle provide excellent removal rate and high quality finish. Additionally, contaminants such as metals and chlorides are extremely low, making Ultra-Sol 2EX excellent for all applications where low levels of contaminant ions are required.

The information provided in this note should be used as a starting point for the customer's application.

Physical Characteristics

SF-2EX	
Mean Particle Size	70nm
pH	10.7
Solids Content (By Weight)	30%



Tightly controlled silica particles

Handling

Ultra-Sol 2EX colloidal silica is a safe, aqueous based slurry. However, to avoid skin or eye irritation, handlers should use personal protective equipment including; rubber gloves, protective clothing, and eye protection. Follow all MSDS and label precautions and use appropriate industrial safety and hygiene practices when handling or using this product.

It is recommended that Ultra-Sol 2EX colloidal silica be used in pure form. However, it may be diluted using only high-quality de-ionized water (>18 M ohm). Mild agitation will keep the diluted slurry suspended.

The product should be mixed periodically (10 to 20 min/day) by re-circulation or mechanical stirring. If diluted slurry is allowed to sit long enough to settle out of suspension, re-use of the settled solids, without proper rework, may cause some minor scratching and should be avoided. Storage and re-use of diluted slurry is not recommended. Due to the unique formulation, it is further recommended that the user not adjust the pH. If a different pH is required, please contact EMINESS Technologies, Inc. for assistance in attaining the desired results.

Storage

Storage tanks and distribution piping should be constructed of engineered plastic of polyethylene, polypropylene or fluoropolymer. Materials such as aluminum, copper, brass and PVC should be avoided.

Standard packaging includes five (5) gallon pails and fifty-five (55) gallon drums. One (1) gallon bottles are also available upon request. All containers are High Density Polyethylene (HDPE). Maintain storage in a temperature-controlled environment, between 40 and 100°F, avoiding prolonged exposure at either extreme.

Disposal

Dispose in accordance with all applicable regulations.

If you have any questions or comments, please don't hesitate to call your EMINESS Technologies, Inc. Applications Engineer.

About Eminess

For over twenty years Eminess has been providing quality, precision polishing consumables to a vast array of industries. In addition to polishing slurries, Eminess also manufactures a variety of complimentary products, including polishing pads, waxless fixturing, carrier films, and pad conditioners.



We have invested heavily in the tools and infrastructure necessary to provide superior support to our customers, and guarantee quality products through strict observance of ISO 9001 standards. Our knowledgeable support and customer service staff stands ready to assist with polishing projects of any size. For superior products, support, and results, think Eminess!