

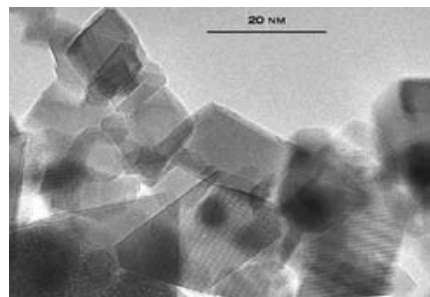
Description

Ultra-Sol 2020 Cerium Oxide slurry features one of the smallest ceria particles available on the market, making it ideal for ultra precision polishing of glass, quartz, fused silica, and other silica-based optical materials. Eminess blends the particles with proprietary chemistry in order to enhance the dispersion and suspension characteristics of the slurry. Furthermore, ETI chemists have designed the slurry to be neutral pH, minimizing the risk of pitting or etching in long polish cycles.

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

Physical Characteristics

SF-2020	
Mean Particle Size	0.1 μ
pH	7.3
Solids Content (By Weight)	10%



Handling

Ultra-Sol 2020 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 good industrial safety and hygiene practices when handling or using this product.

It is recommended that the Ultra-Sol 2020 dispersion be used in pure form. However, it may be diluted to a desired concentration of ceria solids 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 your EMINESS Technologies, Inc. Applications Engineer, for assistance in attaining the desired results.

Storage

Standard packaging includes five (5) gallon pails and fifty-five (55) gallon drums. One (1) gallon bottles and thirty (30) gallon drums are 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!