

### Description

Ultra-Sol 200A colloidal alumina slurry is for polishing a wide variety of materials, such as NiFe, GaAs, GaN, and InP, as well as ferrites and carbides. Originally created over fifteen years ago, 200A continues to be a staple alumina product useful in any scenario where metals are being polished. In addition, 200A has been proven to achieve excellent surface finish on pure metals, epoxy resins, and plastics.

Ultra-Sol 200A is an acidic colloidal alumina dispersion, with advanced chemical-mechanical action, that provides superior surface finishes. The unique, proprietary alumina particles provide aggressive removal rates while maintaining superior surface finishes. The acidic pH allows its chemical-mechanical action to provide superior, low scatter finishes in a wide variety of applications.

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

### Physical Characteristics

SF-200A	
Mean Particle Size	0.1 $\mu$
pH	4.0
Solids Content (By Weight)	20%

### Handling

Ultra-Sol 200A is a safe, aqueous based slurry. All handlers should avoid skin contact, use personal protective equipment, rubber gloves, protective clothing, and splash goggles or a full face-shield when dispensing to avoid eye injury safety glasses, etc. 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 200A be used in pure form. However, if desired, it may be diluted up to a 1:1 ratio of using only high-quality de-ionized water (>18 M ohm). Mild agitation is all that is needed to keep the diluted slurry suspended. The product should be mixed periodically 10-20 min/day, by re-circulation or mechanical stirring. Storage and re-use of diluted slurry is not recommended. 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. Due to the product unique formulation, it is further recommended that the user should not attempt adjustment of 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 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.*

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## 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!