

### Description

Ultra-Sol FOP-II Fiber Optic Polish is a special proprietary blend of abrasives and chemical enhancers formulated for use in the polishing of glass single mode and multimode fiber optic connectors. Surface finishes attainable with this slurry result in maximum light transmission rates. This unique formulation provides the user with a much slower drying rate, thus eliminating the cleaning problems caused by other polishes that tend to dry out very quickly. Produced in an alkaline pH.

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

### Physical Characteristics

SF-FOPII	
Mean Particle Size	78nm
pH	10.8
Solids Content (By Weight)	25.3%

### Handling

Ultra-Sol FOP II 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 FOP II be used in pure form. However, it may be diluted up to a 3:1 ratio 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

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 one (1) gallon bottles and five (5) gallon pails. Customer specific packaging is 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**

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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!