

700SA Colloidal Silica Slurry

Resinox Enhanced

Description

Ultra-Sol 700 S/A is a unique combination of a colloidal silica and gamma-phase alumina that allows the user to obtain high surface quality on metallographic specimens and optical surfaces. The additional abrasive action of the gamma alumina makes it a more aggressive slurry than other Ultra-Sol Colloidal Silicas, but the unique nature of the abrasive allows high surface quality to be obtained.

Ultra-Sol 700 S/A can be used on a wide variety of metallographic and optical materials. It's slightly alkaline formula (pH~8-9) is ideal for use on metallographic specimens where corrosion can be a problem.

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

Physical Characteristics

SF-700SA	
Mean Particle Size	60nm
pH	8.2
Solids Content (By Weight)	30%

Handling

Ultra-Sol 700 S/A 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 700 S/A be used in its pure form. However dilution up to a 1:1 ratio of, 700 S/A: high-quality deionized (~18 Mohm) water, may be used.

Adjustment of pH should not be attempted by the user as this can lead to agglomeration and/or gelling of the product.

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!