

“L” Series Alumina Suspensions

Ultra Grit

Description

Ultra-Sol “L” Alumina Suspensions are unique permanent suspensions of high quality levigated aluminum oxide abrasives. The unique alkaline chemistry provides both chemical enhancement for faster material removal rates, and a medium that holds the abrasive in long-term suspension, providing a homogeneous material with excellent shelf life.

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

Physical Characteristics

	L1	L2	L3	L5	L9	L12	L15	L18	L20	L25
Mean Particle Size	1 μ	2 μ	3 μ	5 μ	9 μ	12 μ	15 μ	18 μ	20 μ	25 μ
pH	7.2	8.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
Solids Content (By Weight)	15%	20%	15%	15%	15%	15%	15%	15%	15%	15%

Handling

Ultra-Sol Alumina Suspensions are safe, aqueous based slurries. 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.

This series of suspensions is intended for bulk removal, lapping, and coarse grinding steps in the polishing process. The proprietary chemistry used to create the permanent suspension and enhanced removal rates is water-based and does not present the disposal problems traditionally associated with oil or other petroleum bases previously used in the polishing industry.

It is recommended that Ultra-Sol “L” Alumina Suspensions be used in pure form.

However, if diluted, use 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.

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!