



Ultra-Sol 500S N/D

Ultra-Sol 500S N/D is a non-drying form of colloidal silica especially designed to provide a final step polishing for most optical crystals.

TECHICAL BULLETIN

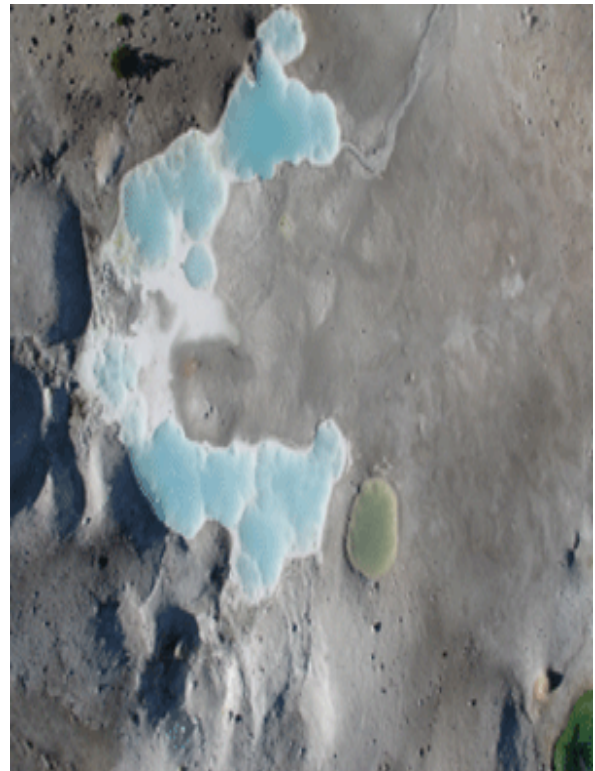
Properties:

pH: 9.6-9.9
% Solids: 40%
Viscosity: 20-40 cp

Ultra-Sol 500S N/D is a specially designated alkaline dispersion that eliminates the problem caused by drying or freezing associated with other colloidal silica products used for chemical/mechanical polishing

Chosen by opticians and metallurgist for its non-Drying, non-caking and non-crystallizing characteristics, Ultra-Sol 500S N/D reduces the latent scratches and equipment down time thus reducing costly rework or equipment off-line cleaning

While having small particle size (avg. particle size = 80 nm) Ultra-Sol 500S N/D with its aggressive chemical-mechanical polishing actions is capable of producing surfaces of less than 10 Å rms under optimal conditions



Application

- *Used for polishing oxides, metals, semi-conductor and ceramic based materials such us silicon, fused quartz, fused silica, lithium niobate, YAG, GGG, alexandrite, sapphire and host of others*
- *Dilution up to 1 : 1 with deionizer water is possible*
- *Can be used with pitch, polyurethane or short nap pads*

Date: 12 / 06 / 07