

# TECHNICAL DATA SHEET

## GEO40™ SOL-1430NH<sub>3</sub> (COMMERCIAL SAMPLES ONLY)

Geo40™ SOL-1430NH<sub>3</sub> is a sustainable geothermal water derived colloidal silica stabilized with ammonia. An alkaline dispersion of 13.5 nm colloidal silica at 30% SiO<sub>2</sub> concentration in water. The particles are negatively charged and have a high specific surface area. Ammonia is added to increase the pH and stability while maintaining moderate sodium levels.

The product can be used in a wide variety of applications such as metals and refractories, paper and textiles treatment, coatings and inks, or other applications where a small particle size colloidal silica is required, and low sodium is desired.

### TYPICAL PROPERTIES

Tests	Target Value	Units
Particle size	13.5	nm
Silica (as SiO <sub>2</sub> )	30.0	w / w %
pH	9.7	pH
Density	1.201	kg / L
Conductivity	3.5	mS / cm
Surface area	203	m <sup>2</sup> / g
Free Alkalinity (as Na <sub>2</sub> O)	Less than 0.08	w / w %
Viscosity	Less than 15.0	cP
Accelerated Life Test	Pass	80 °C / 7 days
Visual Appearance	Clear to Opaque	

### TO ORDER MATERIAL, OR FIND OUT MORE

Please contact: [SALES@GEO40.COM](mailto:SALES@GEO40.COM)

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