

# TECHNICAL DATA SHEET

## GEO40™ SOL-1440Na (COMMERCIAL SAMPLES ONLY)

Geo40™ SOL-1440Na is a sustainable geothermal water derived colloidal silica stabilized with sodium. An alkaline dispersion of 13.5 nm colloidal silica at 40 % SiO<sub>2</sub> concentration in water. The particles are negatively charged and have a high specific surface area.

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.

### TYPICAL PROPERTIES

Tests	Target Value	Units
Particle size	13.5	nm
Silica (as SiO <sub>2</sub> )	40.0	w / w%
pH	9.5	pH
Density	1.288	kg / L
Conductivity	4.0	mS / cm
Surface Area	203	m <sup>2</sup> / g
Free Alkalinity (as Na <sub>2</sub> O)	0.5	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)

This Technical Data Sheet has been prepared by Geo40™ Limited for information purposes only. While Geo40™ has used all reasonable care to ensure that the information is free from error, Geo40™ does not warrant its accuracy, adequacy or completeness or that Geo40™ SOL-1440Na will be suitable for your intended use. The only warranties provided are those set out in Geo40™ Terms and Conditions of Trade. To the extent permitted by law, all other warranties relating to this information or Geo40™ SOL-1440Na (whether express, implied or statutory) are excluded. GEO40™ is a trademark of Geo40™ Limited. © 2019 Geo40™ Limited.