Matrixsol® LP Colloidal Silica

MATRIXSOL LP colloidal silica is an alkaline, aqueous dispersion of colloidal silica that is approximately 30% solids by weight. The silica sol is sodium stabilized, and the amorphous silica particles carry a negative surface charge. The particles are discrete, have a slightly rough, spherical shape, and are present in a narrow particle size distribution. The physical appearance of the sol is a translucent liquid, slightly more viscous than water.

Typical Material Properties*

Silica (Weight %)	30
Specific Surface Area (m^2/g)	250
pH	10.0
Viscosity (cP)	5
Density (g/cm^3)	1.2
Na_2O (Weight %)	0.6

*These results are based on the testing methods, frequency and procedures of Ransom & Randolph or its approved suppliers. The levels referenced herein are only for general guidance and do not constitute a firm specification.

Storage & Handling

MATRIXSOL LP colloidal silica should be transported and stored at a temperature of 40°F-95°F (5°C-35°C). If the sol is allowed to freeze, the silica will irreversibly precipitate. Translucent packages should be stored out of direct sunlight or bright light.

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user. All potential liability related to the sale and use of this product is limited to the cost of the particular goods sold in their respective transactions.

PRODUCT DATA SHEET

RANSOM & RANDOLPH
Maumee, OH 43537 USA
Toll Free: 800.800.7496
Phone: 419.865.9497
Fax: 419.865.9997
www.ransom-randolph.com

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