

ChangFu® CS23

Colloidal silica dispersed in organic solvents

Description	ChangFu® CS23 is a type of colloidal silica dispersed in organic solvents. Produced using advanced chemical processes, Changfu Chemical's silica sols consist of uniformly dispersed nano-silica particles in various organic solvents. These dispersions ensure even particle distribution, effectively preventing agglomeration for superior stability and performance.
Features & Benefits	Wide ranging surface area and narrow particle size distribution Has high dispersibility, excellent wear resistance, and good transparency High purity. Content of most impurities can be controlled at ppb level. High stability, with a stability period of over one year under different conditions.
Applications	Used as fillers or additives for paints, inks, and coatings, enhancing the adhesion and wear resistance of coatings, and increasing the fluidity and dispersibility of inks. Used as a high temperature binder for precision casting and mold manufacturing. Used to prepare coatings for electronics and optical components. Used to improve rheology for encapsulation materials of LED and semiconductors.

Typical Properties

Description	Colloidal silica dispersed in organic solvents					
Appearance	Light blue transparent liquid					
Product No.	ChangFu® CS23-M	ChangFu® CS23-E	ChangFu® CS23-IPA	ChangFu® CS23-PM	ChangFu® CS23-PMA	ChangFu® CS23-EA
Solvent	Methanol	Ethanol	Isopropanol	PM	PMA	Ethyl Acetate
Particle Size, nm	15±5	15±5	15±5	15±5	15±5	15±5
SiO ₂ , wt%	30±0.5	30±0.5	30±0.5	30±0.5	30±0.5	30±0.5

*More grades are available, with different solvent types, particle sizes, concentrations, and PH values.

Package	Offered in 25L pails and 200L drums. Custom packaging is available.
Storage	Stored in a cool, well-ventilated place. Keep container tightly closed.
Transportation	See the corresponding Safety Data Sheet.