

Colloidal Silica Sol 30%

Aqueous colloidal silica dispersion for industrial polishing, catalyst-carrier and coating development.

CAS No. 7631-86-9	EC / List No. 231-545-4	Transport Non-dangerous goods
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Product Information

Aqueous colloidal silica dispersion for industrial polishing, catalyst-carrier and coating development.

Specifications

Parameter	Specification
Appearance	Milky, translucent or slightly turbid liquid
Silicon dioxide	29–31 %
Sodium oxide	≤0.5 %
pH	9.5–10.5
Dynamic viscosity, 25°C	≤9 mPa·s
Density, 25°C	1.19–1.21 g/cm ³
Average particle-size grade A	7–11 nm
Average particle-size grade B	10–15 nm

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Viscosity, 25°C	≤9 mPa·s
Particle Size Grades	7–11 nm / 10–15 nm

Applications

Industrial polishing development: Colloidal abrasive for technically supervised polishing formulations.

Catalyst carriers and binders: Inorganic dispersion for selected carrier and binder development.

Coatings and inorganic binders: Silica sol for compatible industrial coatings and binder systems.

Packaging / Storage

Item	Information
Packing	25 kg or 50 kg plastic drums
Storage	Keep tightly closed and protect from freezing, excessive heat, direct sunlight and contamination. Follow the agreed temperature instructions for the selected dispersion grade; the 30% reference recommends 2–8°C.
Handling	Use clean, contained liquid transfer and effective ventilation. Wear compatible gloves, splash goggles and work clothing. Avoid aerosols and drying residue into airborne dust; wash after handling.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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