

Colloidal Silica (Silica Sol) – A Global Market Overview

"The report reviews, analyzes and projects the global market for Colloidal Silica (Silica Sol) for the period 2016-2025. The study analyzes the colloidal silica market by application consisting of metal casting, electronics, refractories, construction, chemicals, food & beverages, paints & coatings, paper & textiles, adhesives & sealants and others."

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Report Synopsis

Colloidal silica has been increasingly adopted in chemical mechanical planarization (CMP) slurries, which are used as polishing agents in electronics/semiconductor industry. Colloidal silica has been widely used in wide variety of industries including foundry, ceramics, refractory, coatings, papermaking, textile and catalyst carriers owing to its features such as stable properties, large surface size, favorable permeability, etc. Consumption of colloidal is also growing in applications such as paints & coatings, catalyst support in chemicals and pulp & paper mills.

The global market for colloidal silica in electronics is anticipated to register the fastest CAGR of 6% and 6.8% in terms of volume and value respective during 2019-2025 analysis period, to reach a projected 84.5 thousand metric tons and US\$442.2 million respectively by 2025. Overall market for Colloidal silica is expected to touch 515 million metric tons by 2025.

- Colloidal silica become the crucial component in catalyst manufacturing
- Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments
- Major companies profiled – 30
- The industry guide includes the contact details for 38 companies

Product Outline

The report analyzes the market for the key applications of Colloidal Silica including:

- Metal Casting
- Electronics
- Refractories
- Construction
- Chemicals
- Food & Beverages
- Paints & Coatings
- Paper & Textiles
- Adhesives & Sealants
- Others

Analysis Period, Units and Growth Rates

- The report reviews, analyzes and projects the global Colloidal Silica market for the period 2016-2025 in terms of volume in Metric Tons and value in US\$ and the compound annual growth rates (CAGRs) projected from 2019 through 2025

Geographic Coverage

- **North America** (The United States, Canada and Mexico)
- **Europe** (France, Germany, Italy, Russia, Spain, The United Kingdom and Rest of Europe)
- **Asia-Pacific** (China, India, Japan, South Korea and Rest of Asia-Pacific)
- **South America** (Brazil and Rest of South America)
- **Rest of World**

Global Colloidal Silica Market by Application 2019-2025



Source: Industry Experts, Inc. <http://industry-experts.com>

Research Findings & Coverage

- The worldwide market for Colloidal Silica is analyzed in this report with respect to major applications
- The study exclusively analyzes the market size of Colloidal Silica in each major region/country globally for the analysis period
- CMP slurries is the major driving force for colloidal silicas

SAMPLE COMPANY PROFILE

CABOT CORPORATION (UNITED STATES)

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Business Overview

Founded in 1882, Cabot Corporation is one of the global providers of specialty chemicals and performance materials for transportation, infrastructure, environment and consumer industries. Cabot's main product offerings include carbon blacks, specialty compounds, fumed metal oxides, activated carbons, inkjet colorants, aerogel, cesium formate drilling fluids, and fine cesium chemicals. Cabot operates through its four business units: Reinforcement Materials – production and supply of carbon black and carbon and rubber compounds; Performance Chemicals – production and supply of specialty carbons, metal oxides such as fumed silica, fumed alumina, colloidal dispersions and aerogel; Purification Solutions – production and supply of activated carbons; and Specialty Fluids – production and supply of cesium products that include cesium formate brines and other fine cesium chemicals. Headquartered in Boston, Massachusetts, Cabot employs around 4,500 employees and operates its manufacturing plants in 21 countries worldwide.

Cabot produces and markets fumed silica, colloidal silica, and dispersions of fumed silica and fumed alumina. Cabot is one of the leading producers of fumed silica globally with 8 production plants and joint ventures in the United States, Europe and Asia-Pacific. Cabot's fumed silica production plants are located at Tuscola, Illinois, USA; Midland, Michigan, USA; Carrollton, Kentucky, USA; Glamorgan, Wales, UK; Rheinfelden, Germany; Jiangxi, China; Inner Mongolia, China; and Tamil Nadu, India. Cabot markets its specialty silica products under the brand names CAB-O-SIL® and CAB-O-SPERSE®.

Product Portfolio

Colloidal Silica & Composite Silicas

Cabot offers CAB-O-SIL™ TG-C series colloidal silicas and ATLAS™ silica composites.

- CAB-O-SIL™ TG-C colloidal silicas are treated with hydrophobizing agents using a proprietary process to impart increased tribocharging and charge stability. These products are used in electrophotography to enhance toner durability and improve print quality.
- ATLAS™ silica composites are used in electrophotographic toner applications, and are engineered particles to prevent embedding, migration and separation from the toner surface, resulting in long print runs with little decrease in image quality.

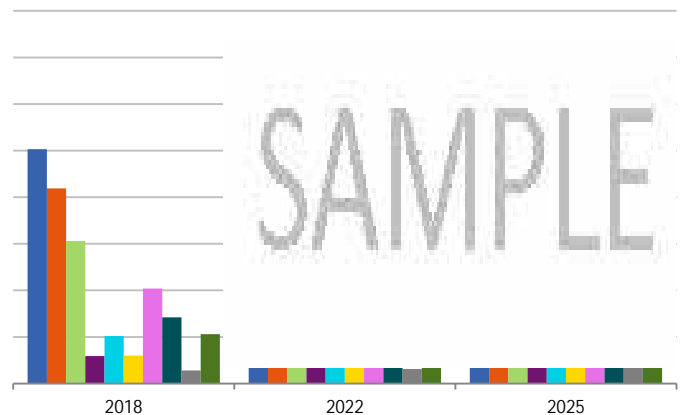
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SAMPLE TABLE/CHART

Glance at 2019 Global Colloidal Silica Volume Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World



Asia-Pacific Colloidal Silica Market Analysis (2016-2025) by Application – Metal Casting, Electronics, Refractories, Construction, Chemicals, Food & Beverages, Paints & Coatings, Paper & Textiles, Adhesives & Sealants and Others in Thousand Metric Tons



KEY PLAYERS PROFILED

- ADEKA Corporation
- Cabot Corporation
- Evonik Industries AG
- Jinan Yinfeng Silicon Products Co., Ltd.
- Merck KGaA
- Nalco Water - An Ecolab Company
- Nissan Chemical Corporation
- Nouryon Chemicals Holding B.V.
- NYACOL® Nano Technologies Inc.
- W.R. Grace & Co.

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