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Colloidal Silica (Silica Sol) – A Global Market Overview

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Abstracts

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 respectively 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 thousand metric tons by 2025.

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

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

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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

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ADEKA Corporation (Japan)
Cabot Corporation (United States)
Evonik Industries AG (Germany)
Jinan Yinfeng Silicon Products Co., Ltd. (China)
Merck KGaA (Germany)
Nalco Water - An Ecolab Company (United States)
Nissan Chemical Corporation (Japan)
Nouryon Chemicals Holding B.V. (The Netherlands)
NYACOL Nano Technologies Inc. (United States)

W.R. Grace & Co. (United States)

3. KEY BUSINESS AND PRODUCT TRENDS

Nouryon Increases Surface-Modified Colloidal Silica Production Capacity at Bohus Site in Sweden
Grace Constructs New LUDOX Colloidal Silica Plant at its Worms, Germany Site
Launch of NYACOL's New Lithium Stabilized Colloidal Silica, LiSol
Launch of Remet Investment Casting Materials (Shanghai) Co., Ltd.
Geo40 Plans to Begin Commercial Production of Silica from Geothermal Fluids at Ohaaki Geothermal Power Plant
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Guangdong Well-Silica Sol Co., Ltd. (China)
Gujarat Silicon Pvt. Ltd. (India)
Jinan Yinfeng Silicon Products Co., Ltd. (China)
Nissan Chemical Corporation (Japan)
Qingdao Bangsen Silica Gel Desiccant Co., Ltd (China)
Qingdao FSK Foundry Materials Co., Ltd (China)
Qingdao Haiyang Chemical Co., Ltd (China)
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TABLE & FIGURE:

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Table 1: Physical and chemical properties of specialty silicas
Figure 1: Theoretical SAS particles at infinite dilution

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