

## Global Specialty Silicas Market – Products and Applications

*“The report reviews, analyzes and projects the global market for Specialty Silicas for the period 2016-2025. Specialty silicas analyzed in this study include precipitated silica, fumed silica (or pyrogenic silica), silica gel and colloidal silica (or silica sol). The study also analyzes the specialty silicas market by application consisting of tire rubber, non-tire rubber, personal care & cosmetics, plastics, chemicals, agriculture & animal feed, food & beverages, paints/coatings & inks, paper & textiles, adhesives & sealants, electrical & electronics, desiccants, metal casting & refractories and others.”*

Published: July 2019

Report Code: CP081

Pages: 638

Charts: 382

Price: \$4950 Single User License, \$7650 Enterprise License

### Report Synopsis

Specialty silicas, also known as synthetic amorphous silicas, are synthetic forms of silicon dioxide (SiO<sub>2</sub>). Specialty silicas currently available on the market include precipitated silica, fumed/pyrogenic silica, silica gel, and colloidal silica or silica sol. Specialty silicas can be manufactured by two methods: a thermal (vapor-phase hydrolysis) process – fumed/pyrogenic silica; and a wet process – precipitated silica and silica gel. Colloidal silicas are stable dispersions of synthetic amorphous silicas in a liquid, usually water.

Precipitated silica is the driving force for specialty silicas demand growth globally, which is projected to record a robust CAGR of 6% between 2019 and 2025. Fumed silica demand is forecast to register the second fastest CAGR of 4.8%, followed by colloidal silica with a CAGR of 4.7% and silica gel growing at CAGR of 4.4% during the analysis period. Global specialty silicas market is estimated at 3.9 million metric tons, valued at US\$9.2 billion in 2018.

- Demand for CMP Slurries in Semiconductor Manufacturing Bolstering Market for Colloidal Silica
- Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments
- Major companies profiled – 113
- The industry guide includes the contact details for 160 companies

### Product Outline

The report analyzes the market for the following types of Specialty Silicas:

- Precipitated Silica
- Fumed Silica
- Silica Gel
- Colloidal Silica

The market for applications of Specialty Silicas explored in this report includes:

- Tire Rubber
- Non-tire Rubber
- Personal Care & Cosmetics
- Plastics
- Chemicals
- Agriculture & Animal Feed
- Food & Beverages
- Paints, Coatings & Inks
- Paper & Textiles
- Adhesives & Sealants
- Electrical & Electronics
- Desiccants
- Metal Casting & Refractories
- Others

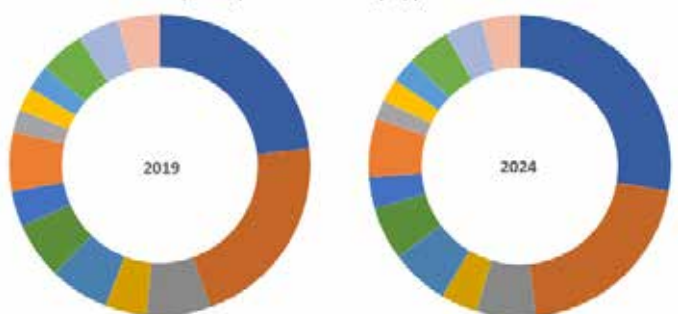
### Analysis Period, Units and Growth Rates

- The report reviews, analyzes and projects the global Specialty Silicas market for the period 2016-2025 in terms of volumes 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, Japan, India, South Korea and Rest of Asia-Pacific)
- **South America** (Brazil and Rest of South America)
- **Rest of World**

Global Specialty Silicas Market by Application 2019-2025



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

### Research Findings & Coverage

- Specialty Silicas global market analyzed in this report with respect to Types and Applications
- The report comprehensively explores the afore mentioned categories of Specialty Silicas in each major region/country worldwide for the analysis period
- Safety of Specialty Silicas Under EFSA's Scanner for Nanoparticles
- Tire Industry to be the Primary Demand Driver for Precipitated Silica

## SAMPLE COMPANY PROFILE

### EVONIK INDUSTRIES AG (GERMANY)

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Phone: +49 201 177-01, Fax: +49 201 177-3475  
Website: <https://corporate.evonik.com>

#### Business Overview

Established in 2007, Evonik Industries AG is a global leading specialty chemical company. The company's specialty chemicals operations are segmented into three business units: Nutrition & Care, Resource Efficiency, and Performance Materials. Evonik's Nutrition & Care segment produces a broad range of specialty chemicals for use in consumer goods for daily needs, and in animal nutrition and healthcare products. Resource Efficiency segment of Evonik produces high performance materials for environmentally friendly as well as energy-efficient systems to the automotive, paints & coatings, adhesives, construction, and several other industries. While, Evonik's Performance Materials segment is engaged in the production and supply of polymer materials and intermediates. Headquartered in Essen, Germany, Evonik employs over 36,000 people across 100 countries around the globe and operates production plants in 28 countries.

Evonik is the global leading producer of specialty silicas and its specialty silicas product range mainly consists of precipitated silicas and fumed silicas. Evonik markets its silica products under the brands: AEROSIL®, AEROXIDE®, SIPERNAT®, ULTRASIL®, ZEODENT®, SPHERILEXTM, ACEMATT®, ZEOFREE®, ZEOLEX® and HYDREX® among others. In 2017, Evonik has acquired the silica business "Huber Silica" from U.S.-based J.M. Huber Corp. Huber Silica business operates 6 precipitated silica production plants across the globe. Evonik also produces colloidal silicas, which are internally utilized by Evonik in the production of its nanosilica concentrates marketed under brand names NANOCRYL® and NANOPOX®. Evonik operates a colloidal silica plant in Portland, Ore, USA. This colloidal silica business was acquired by Evonik from Harris & Ford Silco, LLC in 2010. According to the company, Evonik has a worldwide capacity of about 600,000 metric tons of precipitated and fumed silicas and matting agents per annum.

#### Product Portfolio

##### AEROSIL® fumed silica

Evonik operates eight AEROSIL® fumed silica production plants on three continents: 2 plants in the United States (Mobile and Waterford), 4 plants in Europe (Antwerp, Belgium; Rheinfelden, Germany; Leverkusen, Germany; and Roussillon, France) and 2 plants in Asia-Pacific (Yokkaichi, Japan; and Map Ta Phut, Thailand). Started production in 1942, Evonik offers both hydrophilic and hydrophobic AEROSIL® fumed silicas. Evonik also offers AEROXIDE® fumed metal oxides and mixed oxides based on AEROSIL® fumed silicas, AEROPERL® granulated fumed silicas, and AERODISP® fumed silica dispersions.

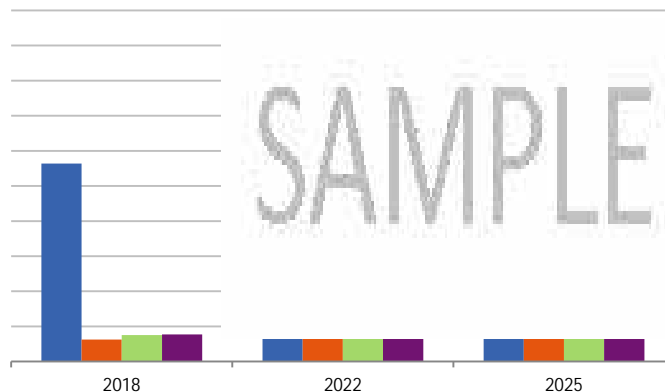
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## SAMPLE TABLE/CHART

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



Asia-Pacific Specialty Silicas Market Analysis (2016-2025) by Type – Precipitated Silica, Fumed Silica, Silica Gel and Colloidal Silica in Thousand Metric Tons



## KEY PLAYERS PROFILED

- AGC Si-Tech Co., Ltd.
- BASF Corporation
- Cabot Corporation
- Evonik Industries AG
- Fuji Silysia Chemical Ltd.
- Gujarat Multi Gas Base Chemicals Pvt. Ltd.
- Industrias Quimicas del Ebro, S.A. (IQE Group)
- Madhu Silica Pvt. Ltd.
- Merck KGaA
- Nalco Water - An Ecolab Company
- Nissan Chemical Corporation
- Nouryon Chemicals Holding B.V.
- NYACOL® Nano Technologies Inc.
- OCI Company Ltd.
- PPG Industries, Inc.
- PQ Corporation
- Quechen Silicon Chemical Co., Ltd.
- Solvay SA
- Tokuyama Corporation
- W.R. Grace & Co.
- Wacker Chemie AG

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