Precipitated Silica – A Global Market Overview

“The report reviews, analyzes and projects the global market for Precipitated Silica for the period 2016-2025. This global report analyzes and forecasts the precipitated silica 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 and others.”

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Report Synopsis
Precipitated silica offers several advantages in the production of tires compared to its counterpart carbon black. It improves tensile strength, abrasion resistance, and yields a lower rolling resistance and better wet grip at equal wear resistance than carbon black. In the tire industry, both conventional and highly dispersible precipitated silicas are used. Highly dispersible precipitated silica is used in tires due to its better dispersibility making it better reinforcing filler in tires than conventional precipitated silica. In response to the burgeoning demand from the tire industry for precipitated silica, several industry players such as Evonik, Solvay and PPG Industries has ramped their production capacities in the recent past.

Asia-Pacific is the largest region for the global precipitated silica market with 56.2% share in 2019, followed by Europe with 25.3%. The region is also forecasted to lead the growth of global precipitated silica market at a 2019 to 2025 CAGR of 7.6% to reach 2.3 million metric tons by 2025.

Performance of Highly Dispersible Silica Surpasses Conventional Precipitated Silica
Silica Producers Expand Capacities in Response to Demand from Tire Industry
Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments
Major companies profiled – 48
The industry guide includes the contact details for 70 companies

Product Outline
The report analyzes the market for the key applications of Precipitated Silica including:
• Tire Rubber
• Non-tire Rubber
• Personal Care & Cosmetics
• Plastics
• Chemicals
• Agriculture & Animal Feed
• Food & Beverages
• Paints, Coatings & Inks
• Paper & Textiles
• Adhesives & Sealants
• Other Precipitated Silica

Analysis Period, Units and Growth Rates
• The report reviews, analyzes and projects the global Precipitated 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, Japan, India, South Korea and Rest of Asia-Pacific)
• South America (Brazil and Rest of South America)
• Rest of World
SAMPLE COMPANY PROFILE

EVONIK INDUSTRIES AG (GERMANY)
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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®, SPHERILEX™, 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

ULTRASIL® precipitated silica

ULTRASIL® is the brand name for Evonik’s precipitated silicas. Evonik operates 17 precipitated silica production plants across the globe: 4 plants in the United States (Chester, Charleston, Havre de Grace and Etowah), 4 plants in Europe (Oostende, Belgium; Hamina, Finland; Wesseling, Germany; and Zubillaga-Lantaron, Spain), 7 plants in Asia-Pacific (Qingdao, China; Ako, Japan; Taoyuan, Taiwan; Nanping, China; Map Ta Phut, Thailand; Gajraula, India; and Jhagadia, India), 1 plant in Americana, Brazil, and 1 plant in Adapazari, Turkey.

KEY PLAYERS PROFILED

- Evonik Industries AG
- Gujarat Multi Gas Base Chemicals Pvt. Ltd.
- Industrias Quimicas del Ebro, S.A. (IQE Group)
- Madhu Silica Pvt. Ltd.
- Oriental Silicas Corporation
- PPG Industries, Inc.
- PQ Corporation
- Quechen Silicon Chemical Co., Ltd.
- Solvay S.A.
- Tosoh Silica Corporation
- W.R. Grace & Co.
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2. KEY GLOBAL PLAYERS

- Evonik Industries AG (Germany)
- PPG Industries, Inc. (United States)
- Solvay SA (Belgium)
- W.R. Grace & Co. (United States)
- Grace GmbH & Co. KG (Germany)
- W.R. Grace & Co. Ltd. (Canada)

3. BUSINESS AND PRODUCT TRENDS

- Evonik Introduced New Precipitated Silica Grades for Polymer Films

- RVT Technologies Partners with Tricentris for the Transformation of Used Glass to Precipitated Silica

- Evonik Introduced New SIPERNAT Precipitated Silica Grades for use in Coatings

- Evonik’s ULTRASIL 9100 GR for Use in Truck and Bus Tires

- Expansion of Madhu’s Precipitated Silica Production Capacity

- Launch of Evonik’s ASHAPAT 3400 for High-Transparency clear Coatings and Soft-Touch Coatings with Smooth Surfaces

- Evonik Opens a New Precipitated Silica Production Plant in South Carolina

- New Precipitated Silica Production Plant

- Evonik’s Expansion of Precipitated Silica Production Capacity in Turkey

- Allied Silica’s Precipitated Silica Business Acquired by Tata

- Launch of Evonik’s ULTRASIL 7800 GR for Large SUV and High Milage All-Season Tires

- Evonik Industries Takeover Silica Business of Huber

- Engineered Materials

- Grace to Takeover Dental silica and Deformer Product Ranges from Evonik’s Precipitated Silica Business

- Launch of Solvay’s New Premium SW Highly Dispersible Silica

- Evonik Introduces a New Functional Additive to Substitute Microplastics in Cosmetics

- US DOE to Offer Funds to PPG for developing AGILON® Silica-based Performance Fillers

- Solvay’s New Gunstan Plant is Now Ready to Produce Highly Dispersible Silica

Start of Production in Evonik’s New Precipitated Silica Plant in Brazil

PPG Expands Precipitated Silica Production Capacity at Deltfrain Plant

Solvay to add 10,000 Metric Tons of Silica Capacity to its Plant in Chicago Heights, Illinois

US DOE Offers Funds to Support Joint Project of PPG with Bridgestone for Developing Fuel Efficient Tires for Trucks and Buses

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