

# Specialty Silica: Global Markets to 2022

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## Abstracts

### REPORT SCOPE

This report provides an overview and clear understanding of the global market of specialty silica and an analysis of global market trends, with market data from 2015 and 2016, plus estimates for 2017 and projections through 2022.

The report covers a discussion of technological, regulatory and economic trends that are affecting the specialty silica market. It explains the major drivers, restraints and regional dynamics of the global specialty silica market and current trends within the industry. The market is further segmented and forecasted for major countries such as U.S., Mexico, Germany, China, France, U.K., India, Brazil and U.A.E.

The different types of specialty silica considered in the report include precipitated silica, fused silica, fumed silica, silica gel and colloidal silica. The report includes descriptions of end-use markets such as rubber, electronic components, agriculture, paints and coatings, food and beverage, cosmetics and personal care, and others. Important processes involved in extracting silica and the major functions provided by specialty silica are also covered in detail.

The report concludes with a special focus on the competitive landscape which includes key strategies adopted by the manufacturers and detailed profiles of the major manufacturers in the global specialty silica market.

### REPORT INCLUDES

60 data tables and 20 additional tables

Country specific data and analysis for U.S., Mexico, France, Germany, Italy,

China, India, Japan, Brazil, Saudi Arabia, and UAE

Characterization and quantification of market potential for silica by major types, technologies, regions, and end-user industries

Information on factors driving and restraining the growth of the market along with opportunities that are likely to affect the global silica market

Company profile of major market players within the industry, including Akzo Nobel Nv, W.R. Grace, Madhu Silica, and Dalian Fuchang Chemical Group Co., Ltd.

## SUMMARY

Silica is a hard, colorless compound that naturally occurs in sandstone and other rocks. Specialty silica is mainly produced by the reaction between chemicals and blast sand. Specialty silica is a fine powder which is used in powder or granule form depending on the end-use industry. Specialty silica has about REDACTED silicon dioxide (SiO<sub>2</sub>).

Specialty silicas are chemically extracted from silica, usually through chemical and silicon metal reactions. Initially, the process of manufacturing various specialty silica types starts with purification of the extracted silica and separation of the sand and other impurities. The process of manufacturing each type of silica is highly complex and it is difficult to separate each type in the manufacturing process. The global market for specialty silica is expected to grow due to high demand in a broad range of industry end-users across the globe. The market is driven by the demand of raw material from the enduse industry; the increasing demand from tire and non-tire rubber market is positively affecting demand for specialty silica. The health hazards associated with silica and manufacturing specialty silica is one of the major market restraints. Thus, it is important to analyze the market in terms of its drivers, restraints and opportunities

The market for specialty silica is segmented based on type (precipitated silica, fumed silica, silica gel, colloidal silica and others), end-user industry (rubber, food and beverage, paints and coatings, cosmetics and personal care, plastics, agriculture and others) and geographic regions (North America, Europe, Asia-Pacific, Middle East and Africa, and South America). This report covers market drivers, restraints, opportunities and challenges that determine the scope of the market and its trends.

In recent years there has been a major shift in the global specialty silica production, which is moving from the developed regions such as Europe and the U.S. to developing economies such as China and India. Continuous increasing demand from developed countries in addition to demand from developing countries is contributing to the overall expansion of the worldwide specialty silica market. Industrial growth in the developing economies is a major driver for expansion of the market during the forecast period.

The Asia-Pacific region is the largest regional market for specialty silica in terms of volume and has high growth potential. Growth in the Asia-Pacific region is mainly driven by growing end-user industries such as rubber, plastics, food and beverage, and others. The precipitated silica plants in China and India are growing, and there is a continuous need for maintenance in the transportation industry as well as accelerating demand in various regions in the Asia-Pacific region, both of which are ultimately driving the market in this region.

## Contents

### **CHAPTER 1 INTRODUCTION**

Study Goals and Objectives  
Reasons for Doing This Study  
Scope of Report  
Intended Audience  
Information Sources  
Methodology  
Geographic Breakdown  
Analyst's Credentials

### **CHAPTER 2 SUMMARY AND HIGHLIGHTS**

### **CHAPTER 3 MARKET OVERVIEW**

Introduction  
History of Specialty Silica  
Physical Properties, Raw Material Sources and Extraction Process  
Market Dynamics  
Factors Driving Growth of the Specialty Silica Market  
Increasing Demand of Tire and Non-Tire Applications  
Rising Use of Specialty Silica in Paints and Coatings in Developing Economies Such as China and India  
Increasing Demand for Green Tires  
Factors Restraining Growth of the Specialty Silica Market  
Rising Environmental and Health Concerns about the Use of Specialty Silicas  
Opportunities of Growth for the Specialty Silica Market  
Upcoming Opportunities in the Plastics Industry  
Porter's Five Force Model  
Threat of New Entrants  
Threat of Substitutes  
Bargaining Power of Suppliers  
Bargaining Power of Buyers  
Competitive Rivalry

### **CHAPTER 4 MARKET BREAKDOWN BY TYPE**

Overview  
Market Size Estimation and Forecast  
Precipitated Silica  
Introduction  
Market Size Estimation and Forecast  
Method of preparation  
Silica Gel  
Introduction  
Market Size Estimation and Forecast  
Method of Preparation  
Fumed Silica  
Introduction  
Market Size Estimation and Forecast  
Method of Preparation  
Colloidal Silica  
Introduction  
Market Size Estimation and Forecast  
Method of Preparation  
Others  
Fused Silica  
Silica Sol  
Market Size Estimation and Forecast

## **CHAPTER 5 MARKET BREAKDOWN BY END-USE INDUSTRY**

Overview  
Market Size Estimation and Forecast  
Rubber  
Introduction  
Market Estimation and Forecast  
Food and Beverage  
Introduction  
Market Estimation and Forecast  
Paints and Coatings  
Introduction  
Market Estimation and Forecast  
Cosmetics and Personal Care  
Introduction  
Market Estimation and Forecast

Plastics

Introduction

Market Estimation and Forecast

Agriculture

Introduction

Market Estimation and Forecast

Others

Market Estimation and Forecast

## **CHAPTER 6 MARKET BREAKDOWN BY REGION**

Overview

Asia-Pacific

Asia-Pacific Specialty Silica Market Overview

GDP Growth, China vs. India vs. World, 2005-2016

Asia-Pacific Market Size Estimation and Forecast by Country

China Market Size Estimation and Forecast by End-use Industry

India Market Size Estimation and Forecast by End-use Industry

Japan Market Size Estimation and Forecast by End-use Industry

Thailand Market Size Estimation and Forecast by End-use Industry

Indonesia Market Size Estimation and Forecast by End-use Industry

Rest of Asia-Pacific Market Size Estimation and Forecast by End-use Industry

Driving Factors For the Asia-Pacific Specialty Silica Market

North America

North American Specialty Silica Market Overview

Annual GDP Growth, North America, 2005-2016

North America Market Size Estimation and Forecast, by End-User Industry

U.S. Market Size Estimation and Forecast by End-use Industry

Mexico Market Size Estimation and Forecast by End-use Industry

Driving Factors For North America Specialty Silica Market

Europe

Europe Specialty Silica Market Overview

Annual GDP Growth, European Union vs. World, 2005-2016

Europe Market Size Estimation and Forecast, by Country

Germany Market Size Estimation and Forecast by End-use Industry

France Market Size Estimation and Forecast by End-use Industry

Italy Market Size Estimation and Forecast by End-use Industry

Rest of Europe Market Size Estimation and Forecast by End-use Industry

Driving Factors For Europe's Specialty Silica Market

South America

South America Specialty Silica Market Overview

GDP Growth, Brazil vs. Chile vs. World, 2005-2016

South America Market Size Estimation and Forecast, End-user Industry

Brazil Market Size Estimation and Forecast by End-use Industry

Rest of South America Market Size Estimation and Forecast by End-use Industry

Factors Driving the South America Specialty Silica Market

Middle East and Africa

Middle East and Africa Specialty Silica Market Overview

GDP Growth, South Africa vs. Saudi Arabia vs. World, 2005-2016

Middle East & Africa Market Size Estimation and Forecast, by End-use Industry

Saudi Arabia Market Size Estimation and Forecast by End-use Industry

U.A.E. Market Size Estimation and Forecast by End-use Industry

Rest of Middle East and Africa Market Size Estimation and Forecast by End-use Industry

Driving Factors For Middle East and Africa Specialty Silica Market

## **CHAPTER 7 COMPETITIVE LANDSCAPE**

Industry Structure and Overview

Key Drivers of the Global Market

Development of the Specialty Silica Market

Influence of Environmental Regulations

Market Players Analysis

List of Recent Developments in the Specialty Silica Market

## **CHAPTER 8 COMPANY PROFILES**

EVONIK INDUSTRIES AG

Business Overview

Products Offered

Financials

Recent Developments

SOLVAY SA

Business Overview

Products Offered

Financials

Recent Developments

AKZO NOBEL NV

Business Overview

Products Offered

Financials

Recent Developments

W.R. GRACE

Business Overview

Products Offered

Financials

Recent Developments

PPG INDUSTRIES

Business Overview

Products Offered

Financials

Recent Developments and Strategies

MADHU SILICA

Business Overview

Products Offered

TOKUYAMA CORPORATION

Business Overview

DALIAN FUCHANG CHEMICAL GROUP CO., LTD.

Business Overview

ORIENTAL SILICAS CORPORATION

Business Overview

QUECHEN SILICON CHEMICAL CO., LTD.

Business Overview

WACKER CHEMIE AG

Business Overview

Products Offered

Financials

Recent Developments

FUJIMI INC

Business Overview

AZ ELECTRONIC MATERIALS S.A.

Business Overview

FUJI SILYSIA CHEMICAL LTD

Business Overview

INDUSTRIAS QU?MICAS DEL EBRO, S.A.

Business Overview



## CHAPTER 9 LIST OF ABBREVIATIONS

## List Of Tables

### LIST OF TABLES

- Summary Table B: Global Market for Specialty Silica, by Region, Through 2022
- Summary Table A: Global Market Volume for Specialty Silica, by Region, Through 2022
- Table 1: Global Market Volume for Specialty Silica, by Type, Through 2022
- Table 2: Global Market for Specialty Silica, by Type, Through 2022
- Table 3: Global Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 4: Global Market for Specialty Silica, by End-use Industry, Through 2022
- Table 5: Global Market Volume for Specialty Silica, by Region, Through 2022
- Table 6: Global Market for Specialty Silica, by Region, Through 2022
- Table 7: Asia-Pacific Market Volume for Specialty Silica, by Country, Through 2022
- Table 8: Asia-Pacific Market for Specialty Silica, by Country, Through 2022
- Table 9: Asia-Pacific Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 10: Asia-Pacific Market for Specialty Silica, by End-use Industry, Through 2022
- Table 11: China Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 12: China Market for Specialty Silica, by End-use Industry, Through 2022
- Table 13: India Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 14: India Market for Specialty Silica, by End-use Industry, Through 2022
- Table 15: Japan Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 16: Japan Market for Specialty Silica, by End-use Industry, Through 2022
- Table 17: Thailand Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 18: Thailand Market for Specialty Silica, by End-use Industry, Through 2022
- Table 19: Indonesia Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 20: Indonesia Market for Specialty Silica, by End-use Industry, Through 2022
- Table 21: Rest of Asia-Pacific Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 22: Rest of Asia-Pacific Market for Specialty Silica, by End-use Industry, Through 2022
- Table 23: North America Market Volume for Specialty Silica, by Country, Through 2022
- Table 24: North America Market for Specialty Silica, by Country, Through 2022
- Table 25: North America Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 26: North America Market for Specialty Silica, by End-use Industry, Through 2022
- Table 27: U.S. Market Volume for Specialty Silica, by End-use Industry, Through 2022

- Table 28: U.S. Market for Specialty Silica, by End-use Industry, Through 2022
- Table 29: Mexico Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 30: Mexico Market for Specialty Silica, by End-use Industry, Through 2022
- Table 31: Europe Market Volume for Specialty Silica, by Country, Through 2022
- Table 32: Europe Market for Specialty Silica, by Country, Through 2022
- Table 33: Europe Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 34: Europe Market for Specialty Silica, by End-use Industry, Through 2022
- Table 35: Germany Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 36: Germany Market for Specialty Silica, by End-use Industry, Through 2022
- Table 37: France Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 38: France Market for Specialty Silica, by End-use Industry, Through 2022
- Table 39: Italy Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 40: Italy Market for Specialty Silica, by End-use Industry, Through 2022
- Table 41: Rest of Europe Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 42: Rest of Europe Market for Specialty Silica, by End-use Industry, Through 2022
- Table 43: South America Market Volume for Specialty Silica, by Country, Through 2022
- Table 44: South America Market for Specialty Silica, by Country, Through 2022
- Table 45: South America Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 46: South America Market for Specialty Silica, by End-use Industry, Through 2022
- Table 47: Brazil Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 48: Brazil Market for Specialty Silica, by End-use Industry, Through 2022
- Table 49: Rest of South America Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 50: Rest of South America Market for Specialty Silica, by End-use Industry, Through 2022
- Table 51: Middle East & Africa Market for Specialty Silica, by Country, Through 2022
- Table 52: Middle East & Africa Market Volume for Specialty Silica, by Country, Through 2022
- Table 53: Middle East & Africa Market Volume for Specialty Silica, by End-use Industry, Through 2022
- Table 54: Middle East & Africa Market for Specialty Silica, by End-use Industry, Through 2022

2022

Table 55: Saudi Arabia Market Volume for Specialty Silica, by End-use Industry, Through 2022

Table 56: Saudi Arabia Market for Specialty Silica, by End-use Industry, Through 2022

Table 57: U.A.E. Market Volume for Specialty Silica, by End-use Industry, Through 2022

Table 58: U.A.E. Market for Specialty Silica, by End-use Industry, Through 2022

Table 59: Rest of Middle East & Africa Market Volume for Specialty Silica, by End-use Industry, Through 2022

Table 60: Rest of Middle East & Africa Market for Specialty Silica, by End-use Industry, Through 2022

Table 61: Major Companies, 2016

Table 62: Recent Developments in the Specialty Silica Market, February 2015-December 2017

Table 63: Products: Evonik Industries

Table 64: Evonik Industries AG: Company Financials, 2016-2017

Table 65: Evonik Industries AG: Recent Developments, 2017

Table 66: Products: Solvay SA

Table 67: Solvay SA: Company Financials, 2016-2017

Table 68: Solvay SA: Recent Developments

Table 69: Products: Akzo Nobel NV

Table 70: Akzo Nobel NV: Company Financials, 2016-2017

Table 71: Akzo Nobel NV: Recent Developments

Table 72: Products: W.R. Grace

Table 73: W.R. Grace: Company Financials, 2016-2017

Table 74: W.R. Grace: Recent Developments, August 2017

Table 75: Products: PPG Industries

Table 76: PPG Industries: Company Financials, 2016-2017

Table 77: PPG Industries: Recent Developments and Strategies, February 2015-January 2016

Table 78: Products: Madhu Silica

Table 79: Products: Wacker Chemie AG

Table 80: Wacker Chemie AG: Company Financials, 2015-2016

## List Of Figures

### LIST OF FIGURES

Figure A: Research Framework

Summary Figure A: Global Market Volume for Specialty Silica, 2016-2022

Summary Figure B: Global Market for Specialty Silica, 2016-2022

Figure 1: Market Dynamics

Figure 2: Specialty Silica Market: Porter's Five Force Model

Figure 3: Global Market Volume Share for Specialty Silica, by Type, 2016

Figure 4: Global Market Volume for Precipitated Silica, 2016-2022

Figure 5: Global Market for Precipitated Silica, 2016-2022

Figure 6: Manufacturing of Precipitated Silica

Figure 7: Global Market Volume for Silica Gel, 2016-2022

Figure 8: Global Market for Silica Gel, 2016-2022

Figure 9: Manufacturing of Silica Gel

Figure 10: Global Market Volume for Fumed Silica, 2016-2022

Figure 11: Global Market for Fumed Silica, 2016-2022

Figure 12: Manufacturing of Fumed Silica

Figure 13: Global Market Volume for Colloidal Silica, 2016-2022

Figure 14: Global Market for Colloidal Silica, 2016-2022

Figure 15: Manufacturing of Colloidal Silica

Figure 16: Global Market Volume for Others, 2016-2022

Figure 17: Global Market for Others, 2016-2022

Figure 18: Global Market Volume Share for Specialty Silica, by End-use Industry, 2016

Figure 19: Global Market Volume for Rubber, by End-use Industry, 2016-2022

Figure 20: Global Market for Rubber, by End-use Industry, 2016-2022

Figure 21: Global Market Volume for Food & Beverage, by End-use Industry, 2016-2022

Figure 22: Global Market for Food & Beverage, by End-use Industry, 2016-2022

Figure 23: Global Market Volume for Paints & Coatings, by End-use Industry, 2016-2022

Figure 24: Global Market for Paints & Coatings, by End-use Industry, 2016-2022

Figure 25: Global Market Volume for Cosmetic & Personal Care, by End-use Industry, 2016-2022

Figure 26: Global Market for Cosmetic & Personal Care, by End-use Industry, 2016-2022

Figure 27: Global Market Volume for Plastics, by End-use Industry, 2016-2022

Figure 28: Global Market for Plastics, by End-use Industry, 2016-2022

Figure 29: Global Market Volume for Agriculture, by End-use Industry, 2016-2022

- Figure 30: Global Market for Agriculture, by End-use Industry, 2016-2022
- Figure 31: Global Market Volume for Others, by End-use Industry, 2016-2022
- Figure 32: Global Market for Others, by End-use Industry, 2016-2022
- Figure 33: Global Market Volume Share for Specialty Silica, by Region, 2016
- Figure 34: GDP Growth, China vs. India vs. World, by country, 2005-2016
- Figure 35: Asia-Pacific Market Volume Share for Specialty Silica, by Country, 2016
- Figure 36: Asia-Pacific Market for Specialty Silica, by End-use Industry, 2016-2022
- Figure 37: Annual GDP Growth, North America, by country, 2005-2016
- Figure 38: North America Market Volume Share for Specialty Silica, by Country, 2016
- Figure 39: North America Market for Specialty Silica, by End-use Industry, 2016-2022
- Figure 40: Annual GDP Growth, European Union vs. World, 2005-2016
- Figure 41: Europe Market Volume Share for Specialty Silica, by Country, 2016
- Figure 42: Europe Market for Specialty Silica, by End-use Industry, 2016-2022
- Figure 43: GDP Growth, Brazil vs. Chile vs. World, by country, 2005-2016
- Figure 44: South America Market Volume Share for Specialty Silica, by Country, 2016
- Figure 45: South America Market for Specialty Silica, by End-use Industry, 2016-2022
- Figure 46: GDP Growth, South Africa vs. Saudi Arabia vs. World, 2005-2016
- Figure 47: Middle East & Africa Market Volume Share for Specialty Silica, by Country, 2016
- Figure 48: Middle East & Africa Market for Specialty Silica, by End-use Industry, 2016-2022
- Figure 49: Company Ranking Analysis, 2016
- Figure 50: Evonik Industries AG Revenue Share, by Business Segment, 2017
- Figure 51: Evonik Industries AG Revenue Share, by Region, 2017
- Figure 52: Solvay SA Revenue Share, by Business Segment, 2017
- Figure 53: Solvay SA Revenue Share, by Region, 2017
- Figure 54: Akzo Nobel NV Business Segmentation, 2017
- Figure 55: Akzo Nobel NV Regional Segmentation, 2017
- Figure 56: W.R. Grace Business segmentation, 2017
- Figure 57: W.R. Grace Regional Segmentation, 2017
- Figure 58: PPG Industries Business Segmentation, 2017
- Figure 59: PPG Industries Regional Segmentation, 2017
- Figure 60: Wacker Chemie AG: Business Segmentation, 2016
- Figure 61: Wacker Chemie AG, Regional Segmentation, 2016

## **COMPANIES MENTIONED**

AKZO NOBEL NV

AZ ELECTRONIC MATERIALS S.A.

DALIAN FUCHANG CHEMICAL GROUP CO., LTD.  
EVONIK INDUSTRIES AG  
FUJI SILYSIA CHEMICAL LTD  
FUJIMI INC  
INDUSTRIAS QU?MICAS DEL EBRO, S.A.  
MADHU SILICA  
ORIENTAL SILICAS CORPORATION  
PPG INDUSTRIES  
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SOLVAY SA  
TOKUYAMA CORPORATION  
W.R. GRACE  
WACKER CHEMIE AG

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