

# **Silanes Market by Type (Functional Silanes, Mono/Chloro Silanes), Application (Rubber & Plastics, Fiber Treatment, Adhesive & Sealants), End-Use (Building & Construction, Electrical & Electronics, Automotive), And Region - Global Forecast to 2027**

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## **Abstracts**

The market for silanes is approximated to be USD 2.9 billion in 2022, and it is projected to reach USD 3.9 billion by 2027 at a CAGR of 6.2%. Out of the two silanes types (Functional silanes and Mono/Chloro silanes), functional silanes has the largest market share. The growing end-use industries such as automotive and building & construction are expected to drive the market. The increasing automotive sales in emerging economies like China and India are also likely to drive the market during the forecast period.

By Type, mono/chloro silanes segment accounted for the highest CAGR during the forecast period

The increasing focus on renewable energy in emerging economies, such as China and India, is expected to drive the demand for ICs and PV cells, which in turn, will drive the mono/chloro silanes segment. Increasing per capita income and urbanization are expected to drive the demand for electrical and electronic products, which will increase the demand for silanes. Emerging applications of mono/chloro silanes in pharmaceutical syntheses as protecting agents are also expected to increase during the forecast period.

By Application, fiber treatment segment accounted for the highest CAGR during the forecast period

In this report, the silanes market is divided into five application segments: rubber & plastics, fiber treatment, adhesives & sealants, paint & coatings and others. Other applications of silanes include ICs, flat panel displays, PV, pharmaceuticals, personal care processing, mining, household, institutional, and industrial. Composites are gradually replacing traditional materials in the automotive and building & construction industries owing to lightweight, low-maintenance, and higher chemical and heat impact resistance. To increase fuel efficiency and comply with emission norms, automobile manufacturers are increasingly using fiber reinforced composites, thus driving the silanes market.

By End Use Industry, building & construction accounted for the highest CAGR during the forecast period

Demand for silanes to be driven by increasing investment in major infrastructure projects across the world especially in asia pacific region. Building & construction is a major end user of silanes. Silanes are widely used in buildings for the protection of the building environment from deterioration. This sector includes coating materials for construction areas such as food & beverage production facilities, hospitals, pharmaceutical manufacturing areas, and kitchens. Because of advancements in silanes coatings making it is suitable for various infrastructure construction.

Asia Pacific is projected to account for the highest CAGR in the silanes market during the forecast period

The Asia Pacific region is the hub of foreign investments and growing industrial sectors largely due to low-cost labor and cheap availability of lands. Due to this, construction activities are increasing, which helps to increase the demand for silanes. In addition to this, the demand for silanes in this region is also attributed to the growing manufacturing and packaging industries. India in Asia Pacific region accounted for highest CAGR in the silanes market, followed by China, Thailand and South Korea. These countries are projected to witness a steady increase in consumption between 2022 and 2027.

Further in-depth interviews were conducted with the Chief Experience Officer (CXO), Managers, Marketing Officers, Production Officers, and other related key executives from various key companies and organizations operating in the silanes market.

By Department: Sales/Export/Marketing: 53.5%, Production: 23.3%, and CXOs: 23.3%

By Designation: Managers: 60.5%, CXOs: 23.3%, and Executives: 16.3%

By Region: North America: 33%, Europe: 27%, Asia Pacific: 25%, Middle East & Africa: 10%, and South America: 5%.

Companies Covered: Evonik Industries (Germany), Shin-Etsu Chemical Co. Ltd (Japan), Momentive Performance Materials Holdings LLC (US), Dow Inc. (US), and Wacker Chemie AG (Germany), Gelest Inc. (US), China National BlueStar (Group) Co. Ltd. (China), WD Silicone Co. Ltd. (China), Jingzhou Jiangnan Fine Chemical Co. Ltd. (China), and Nanjing Shuguang Chemical Group Co. Ltd. (China).

### Research Coverage

The market study covers the Silanes market across various segments. It aims at estimating the market size and the growth potential of this market across different segments based on application, type, and region. The study also includes an in-depth competitive analysis of key players in the market, their company profiles, key observations related to their products and business offerings, recent developments undertaken by them, and key growth strategies adopted by them to improve their position in the silanes market.

### Key Benefits of Buying the Report

The report is expected to help the market leaders/new entrants in this market share the closest approximations of the revenue numbers of the overall silanes market and its segments and sub-segments. This report is projected to help stakeholders understand the competitive landscape of the market, gain insights to improve the position of their businesses and plan suitable go-to-market strategies. The report also aims at helping stakeholders understand the pulse of the market and provides them with information on the key market drivers, challenges, and opportunities.

## Contents

### 1 INTRODUCTION

#### 1.1 STUDY OBJECTIVES

#### 1.2 MARKET DEFINITION

#### 1.3 INCLUSIONS AND EXCLUSIONS

#### TABLE 1 SILANES MARKET: INCLUSIONS AND EXCLUSIONS

#### 1.4 STUDY SCOPE

##### 1.4.1 MARKET SEGMENTATION

#### 1.5 YEARS CONSIDERED

#### 1.6 CURRENCY CONSIDERED

#### 1.7 UNIT CONSIDERED

#### 1.8 LIMITATIONS

#### 1.9 STAKEHOLDERS

#### 1.10 SUMMARY OF CHANGES

### 2 RESEARCH METHODOLOGY

#### 2.1 RESEARCH DATA

#### FIGURE 1 SILANES MARKET: RESEARCH DESIGN

##### 2.1.1 SECONDARY DATA

##### 2.1.1.1 Key data from secondary sources

##### 2.1.2 PRIMARY DATA

##### 2.1.2.1 Key insights

##### 2.1.2.2 List of stakeholders involved and breakdown of primary interviews

#### 2.2 MARKET SIZE ESTIMATION

#### FIGURE 2 SILANES MARKET SIZE ESTIMATION: BOTTOM-UP APPROACH

#### FIGURE 3 SILANES MARKET SIZE ESTIMATION: TOP-DOWN APPROACH

#### FIGURE 4 SILANES MARKET SIZE ESTIMATION (SUPPLY-SIDE)

#### FIGURE 5 APPROACH TO ESTIMATE VOLUME

#### 2.3 DATA TRIANGULATION

#### FIGURE 6 SILANES MARKET: DATA TRIANGULATION

#### 2.4 IMPACT OF RECESSION

#### 2.5 RESEARCH ASSUMPTIONS

#### 2.6 RESEARCH LIMITATIONS

#### 2.7 GROWTH RATE ASSUMPTIONS/GROWTH FORECAST

### 3 EXECUTIVE SUMMARY

FIGURE 7 FUNCTIONAL SILANES TO DOMINATE SILANES MARKET BETWEEN  
**2022 AND 2027**

FIGURE 8 RUBBER & PLASTICS SEGMENT TO LEAD SILANES MARKET DURING  
FORECAST PERIOD

FIGURE 9 ASIA PACIFIC TO WITNESS SIGNIFICANT GROWTH DURING  
FORECAST PERIOD

FIGURE 10 INDIA TO BE FASTEST-GROWING MARKET DURING FORECAST  
PERIOD

## **4 PREMIUM INSIGHTS**

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN SILANES MARKET

FIGURE 11 GROWING DEMAND FROM AUTOMOTIVE AND BUILDING &  
CONSTRUCTION INDUSTRIES TO DRIVE MARKET

4.2 SILANES MARKET, BY TYPE

FIGURE 12 MONO/CHLORO SILANES SEGMENT TO REGISTER HIGHER CAGR  
FROM 2022 TO 2027

4.3 SILANES MARKET, BY APPLICATION

FIGURE 13 RUBBER & PLASTICS SEGMENT TO LEAD MARKET FROM 2022 TO  
2027

4.4 SILANES MARKET, BY END-USE INDUSTRY

FIGURE 14 BUILDING & CONSTRUCTION SEGMENT TO GROW AT HIGHEST  
CAGR FROM 2022 TO 2027

4.5 ASIA PACIFIC SILANES MARKET, BY TYPE AND COUNTRY, 2021

FIGURE 15 CHINA AND FUNCTIONAL SILANES SEGMENT ACCOUNTED FOR  
LARGEST SHARES

4.6 SILANES MARKET, BY KEY COUNTRIES

FIGURE 16 SILANES MARKET IN INDIA TO GROW AT HIGHEST CAGR

## **5 MARKET OVERVIEW**

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 17 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN  
SILANES MARKET

5.2.1 DRIVERS

5.2.1.1 Increasing focus on fuel efficiency and regulatory compliance

5.2.1.2 Growing automotive and building & construction industries

5.2.1.3 Rising demand for water-based coating formulations

#### 5.2.2 RESTRAINTS

5.2.2.1 Growing demand for paper and other environment-friendly packaging materials

5.2.2.2 VOC emissions during silane production

#### 5.2.3 OPPORTUNITIES

5.2.3.1 Emerging applications in pharmaceuticals, cosmetics, and semiconductor industries

5.2.3.2 Rapidly expanding economies in Asia Pacific

#### 5.2.4 CHALLENGES

5.2.4.1 High cost of production

## 6 INDUSTRY TRENDS

### 6.1 PORTER'S FIVE FORCES ANALYSIS

FIGURE 18 SILANES MARKET: PORTER'S FIVE FORCES ANALYSIS

TABLE 2 SILANES MARKET: PORTER'S FIVE FORCES ANALYSIS

6.1.1 THREAT OF NEW ENTRANTS

6.1.2 THREAT OF SUBSTITUTES

6.1.3 BARGAINING POWER OF SUPPLIERS

6.1.4 BARGAINING POWER OF BUYERS

6.1.5 INTENSITY OF COMPETITIVE RIVALRY

### 6.2 VALUE CHAIN ANALYSIS

FIGURE 19 SILANES MARKET: VALUE CHAIN ANALYSIS

6.2.1 RAW MATERIAL SUPPLIERS

6.2.2 MANUFACTURERS

6.2.3 END USERS

### 6.3 SUPPLY CHAIN ANALYSIS

FIGURE 20 SILANES MARKET: SUPPLY CHAIN ANALYSIS

### 6.4 PROMINENT COMPANIES

### 6.5 SMALL AND MEDIUM-SIZED ENTERPRISES

TABLE 3 SILANES MARKET: VALUE CHAIN ANALYSIS

### 6.6 PATENT ANALYSIS

6.6.1 INTRODUCTION

6.6.2 METHODOLOGY

FIGURE 21 PATENT COUNT DURING 2018–2022

FIGURE 22 PUBLICATION TRENDS – LAST 5 YEARS

FIGURE 23 JURISDICTION ANALYSIS

FIGURE 24 TOP 10 PATENT APPLICANTS

TABLE 4 LIST OF PATENTS BY 3M INNOVATIVE PROPERTIES COMPANY

TABLE 5 LIST OF PATENTS BY HENKEL AG & CO. KGAA

TABLE 6 LIST OF PATENTS BY DOW GLOBAL TECHNOLOGIES LLC

6.7 TRADE ANALYSIS

TABLE 7 IMPORT DATA, 2021 (USD BILLION)

TABLE 8 EXPORT DATA, 2021 (USD BILLION)

6.8 PRICING ANALYSIS

6.8.1 SILANES MARKET: PRICE TREND FOR THIRD QUARTER OF 2022

6.8.1.1 North America

6.8.1.2 Asia Pacific

6.8.1.3 Europe

6.8.2 SILANES MARKET: PRICE TREND FOR SECOND QUARTER OF 2022

6.8.2.1 North America

6.8.2.2 Asia Pacific

6.8.2.3 Europe

6.8.3 SILANES MARKET: PRICE TREND FOR FIRST QUARTER OF 2022

6.8.3.1 North America

6.8.3.2 Asia Pacific

6.8.3.3 Europe

6.8.4 SILANES MARKET: PRICE TREND FOR FOURTH QUARTER OF 2021

6.8.4.1 North America

6.8.4.2 Asia Pacific

6.8.4.3 Europe

6.9 TECHNOLOGY ANALYSIS

6.9.1 DEVELOPMENT OF NOVEL PH-SENSITIVE SILANE CROSS-LINKED  
INJECTABLE HYDROGEL FOR CONTROLLED RELEASE OF NEOMYCIN SULFATE

6.9.2 DEVELOPMENT OF EFFICIENT METHOD FOR REMOVAL OF SILANE  
COMPOUNDS FROM EXHAUST AIR

6.9.3 ENHANCEMENT OF FAST-FLOW UNDERFILL PERFORMANCE USING  
SILANE ADDITIVES

6.10 CASE STUDY ANALYSIS

6.10.1 CONCRETE PROTECTION FROM CORROSION CAUSED BY SALTWATER  
SPRAY AND WET CONDITIONS

6.10.2 IMPROVED BLISTER RESISTANCE WITH COATOSIL MP 200 SILANE

6.10.3 TREATMENT OF WASTE CHLORINATED SILANE GASES AND LIQUIDS  
FROM METHYL CHLORO SILANE (MCS) PRODUCTION

6.11 REGULATORY LANDSCAPE



6.11.1 FOOD AND DRUG ADMINISTRATION (FDA)

6.11.2 ENVIRONMENTAL PROTECTION AGENCY (EPA)

6.11.3 INDUSTRIAL EMISSIONS DIRECTIVE – EUROPEAN UNION (EU)

6.12 ECOSYSTEM MAPPING

FIGURE 25 SILANES MARKET: ECOSYSTEM MAPPING

6.13 KEY CONFERENCES AND EVENTS (2023–2024)

TABLE 9 SILANES MARKET: KEY CONFERENCES AND EVENTS (2023–2024)

## **7 SILANES MARKET, BY TYPE**

7.1 INTRODUCTION

FIGURE 26 FUNCTIONAL SILANES TO ACCOUNT FOR LARGER SHARE DURING FORECAST PERIOD

TABLE 10 SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 11 SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

7.2 FUNCTIONAL SILANES

7.2.1 AUTOMOTIVE AND BUILDING & CONSTRUCTION INDUSTRIES TO DRIVE MARKET

FIGURE 27 VINYL SILANES SUBTYPE OF FUNCTIONAL SILANES TO ACCOUNT FOR LARGEST SHARE DURING FORECAST PERIOD

TABLE 12 FUNCTIONAL SILANES MARKET SIZE, BY SUBTYPE, 2020–2027 (USD MILLION)

TABLE 13 FUNCTIONAL SILANES MARKET SIZE, BY SUBTYPE, 2020–2027 (THOUSAND TON)

7.2.2 SULFUR SILANES

TABLE 14 SULFUR SILANES MARKET SIZE, BY REGION, 2020–2027 (USD MILLION)

TABLE 15 SULFUR SILANES MARKET SIZE, BY REGION, 2020–2027 (THOUSAND TON)

7.2.3 VINYL SILANES

TABLE 16 VINYL SILANES MARKET SIZE, BY REGION, 2020–2027 (USD MILLION)

TABLE 17 VINYL SILANES MARKET SIZE, BY REGION, 2020–2027 (THOUSAND TON)

7.2.4 AMINO SILANES

TABLE 18 AMINO SILANES MARKET SIZE, BY REGION, 2020–2027 (USD MILLION)

TABLE 19 AMINO SILANES MARKET SIZE, BY REGION, 2020–2027 (THOUSAND TON)

7.2.5 EPOXY SILANES

TABLE 20 EPOXY SILANES MARKET SIZE, BY REGION, 2020–2027 (USD MILLION)



TABLE 21 EPOXY SILANES MARKET SIZE, BY REGION, 2020–2027 (THOUSAND TON)

#### 7.2.6 ALKYL SILANES

TABLE 22 ALKYL SILANES MARKET SIZE, BY REGION, 2020–2027 (USD MILLION)

TABLE 23 ALKYL SILANES MARKET SIZE, BY REGION, 2020–2027 (THOUSAND TON)

#### 7.2.7 METHACRYLOXY SILANES

TABLE 24 METHACRYLOXY SILANES MARKET SIZE, BY REGION, 2020–2027 (USD MILLION)

TABLE 25 METHACRYLOXY SILANES MARKET SIZE, BY REGION, 2020–2027 (THOUSAND TON)

#### 7.2.8 OTHERS

TABLE 26 OTHER FUNCTIONAL SILANES MARKET SIZE, BY REGION, 2020–2027 (USD MILLION)

TABLE 27 OTHER FUNCTIONAL SILANES MARKET SIZE, BY REGION, 2020–2027 (THOUSAND TON)

### 7.3 MONO/CHLORO SILANES

#### 7.3.1 FOCUS ON RENEWABLE ENERGY TO BOOST MARKET

## 8 SILANES MARKET, BY APPLICATION

### 8.1 INTRODUCTION

FIGURE 28 RUBBER & PLASTICS SEGMENT TO ACCOUNT FOR LARGEST MARKET SHARE DURING FORECAST PERIOD

TABLE 28 SILANES MARKET SIZE, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 29 SILANES MARKET SIZE, BY APPLICATION, 2016–2019 (THOUSAND TON)

TABLE 30 SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 31 SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

### 8.2 RUBBER & PLASTICS

#### 8.2.1 STRINGENT REGULATIONS ON FUEL EFFICIENCY TO PROPEL MARKET

### 8.3 FIBER TREATMENT

8.3.1 COMPOSITES REPLACING TRADITIONAL MATERIALS IN AUTOMOTIVE AND BUILDING & CONSTRUCTION INDUSTRIES TO DRIVE MARKET

### 8.4 ADHESIVES & SEALANTS

8.4.1 AUTOMOTIVE, CONSTRUCTION, AND AEROSPACE INDUSTRIES TO SPUR MARKET GROWTH

### 8.5 PAINTS & COATINGS

#### 8.5.1 INCREASING DEMAND FOR GREEN COATINGS TO DRIVE MARKET

#### 8.6 OTHERS

### **9 SILANES MARKET, BY END-USE INDUSTRY**

#### 9.1 INTRODUCTION

FIGURE 29 BUILDING & CONSTRUCTION END-USE INDUSTRY TO ACCOUNT FOR LARGEST MARKET SHARE DURING FORECAST PERIOD

TABLE 32 SILANES MARKET SIZE, BY END-USE INDUSTRY, 2016–2019 (USD MILLION)

TABLE 33 SILANES MARKET SIZE, BY END-USE INDUSTRY, 2016–2019 (THOUSAND TON)

TABLE 34 SILANES MARKET SIZE, BY END-USE INDUSTRY, 2020–2027 (USD MILLION)

TABLE 35 SILANES MARKET SIZE, BY END-USE INDUSTRY, 2020–2027 (THOUSAND TON)

#### 9.2 BUILDING & CONSTRUCTION

9.2.1 DEMAND FOR SILANE-BASED HYDROPHOBIC COATINGS TO BOOST MARKET

#### 9.3 ELECTRICAL & ELECTRONICS

9.3.1 INCREASE IN DEMAND FOR TOUCH SCREENS AND DISPLAYS TO DRIVE MARKET

#### 9.4 AUTOMOTIVE

9.4.1 PRODUCTION OF GREEN TIRES TO FAVOR MARKET GROWTH

#### 9.5 OTHERS

### **10 SILANES MARKET, BY REGION**

#### 10.1 INTRODUCTION

FIGURE 30 RAPIDLY GROWING MARKETS ARE NEW STRATEGIC DESTINATIONS FOR SILANES MARKET

TABLE 36 SILANES MARKET SIZE, BY REGION, 2020–2027 (USD MILLION)

TABLE 37 SILANES MARKET SIZE, BY REGION, 2020–2027 (THOUSAND TON)

#### 10.2 NORTH AMERICA

FIGURE 31 NORTH AMERICA: SILANES MARKET SNAPSHOT

TABLE 38 NORTH AMERICA: SILANES MARKET SIZE, BY COUNTRY, 2020–2027 (USD MILLION)

TABLE 39 NORTH AMERICA: SILANES MARKET SIZE, BY COUNTRY, 2020–2027 (THOUSAND TON)

TABLE 40 NORTH AMERICA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 41 NORTH AMERICA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 42 NORTH AMERICA: SILANES MARKET SIZE, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 43 NORTH AMERICA: SILANES MARKET SIZE, BY APPLICATION, 2016–2019 (THOUSAND TON)

TABLE 44 NORTH AMERICA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 45 NORTH AMERICA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

#### 10.2.1 US

10.2.1.1 Presence of major market players and growing awareness of greenhouse effects to boost market

FIGURE 32 RUBBER & PLASTICS SEGMENT TO REGISTER HIGHEST CAGR IN US BETWEEN 2022 AND 2027

TABLE 46 US: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 47 US: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 48 US: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 49 US: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

#### 10.2.2 CANADA

10.2.2.1 Recent developments in adhesives & sealants market to drive demand for silanes

TABLE 50 CANADA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 51 CANADA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 52 CANADA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 53 CANADA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

#### 10.2.3 MEXICO

10.2.3.1 Weak economic recovery to affect market growth

TABLE 54 MEXICO: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 55 MEXICO: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 56 MEXICO: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD

MILLION)

TABLE 57 MEXICO: SILANES MARKET SIZE, BY APPLICATION, 2020–2027  
(THOUSAND TON)

10.3 ASIA PACIFIC

FIGURE 33 ASIA PACIFIC: SILANES MARKET SNAPSHOT

TABLE 58 ASIA PACIFIC: SILANES MARKET SIZE, BY COUNTRY, 2020–2027 (USD  
MILLION)

TABLE 59 ASIA PACIFIC: SILANES MARKET SIZE, BY COUNTRY, 2020–2027  
(THOUSAND TON)

TABLE 60 ASIA PACIFIC: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD  
MILLION)

TABLE 61 ASIA PACIFIC: SILANES MARKET SIZE, BY TYPE, 2020–2027  
(THOUSAND TON)

TABLE 62 ASIA PACIFIC: SILANES MARKET SIZE, BY APPLICATION, 2016–2019  
(USD MILLION)

TABLE 63 ASIA PACIFIC: SILANES MARKET SIZE, BY APPLICATION, 2016–2019  
(THOUSAND TON)

TABLE 64 ASIA PACIFIC: SILANES MARKET SIZE, BY APPLICATION, 2020–2027  
(USD MILLION)

TABLE 65 ASIA PACIFIC: SILANES MARKET SIZE, BY APPLICATION, 2020–2027  
(THOUSAND TON)

FIGURE 34 RUBBER & PLASTICS ACCOUNTED FOR LARGEST SHARE IN ASIA  
PACIFIC SILANES MARKET IN 2021

10.3.1 CHINA

10.3.1.1 Largest market for semiconductor equipment

TABLE 66 CHINA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 67 CHINA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 68 CHINA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD  
MILLION)

TABLE 69 CHINA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027  
(THOUSAND TON)

10.3.2 JAPAN

10.3.2.1 Introduction of green (silica-silane) technology to drive market

TABLE 70 JAPAN: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 71 JAPAN: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND  
TON)

TABLE 72 JAPAN: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD  
MILLION)

TABLE 73 JAPAN: SILANES MARKET SIZE, BY APPLICATION, 2020–2027

(THOUSAND TON)

#### 10.3.3 INDIA

10.3.3.1 Development of semiconductor production plants to drive market

TABLE 74 INDIA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 75 INDIA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 76 INDIA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 77 INDIA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

#### 10.3.4 SOUTH KOREA

10.3.4.1 Growing paints & coatings industry to contribute to market growth

TABLE 78 SOUTH KOREA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 79 SOUTH KOREA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 80 SOUTH KOREA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 81 SOUTH KOREA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

#### 10.3.5 INDONESIA

10.3.5.1 Development of semiconductor industry to boost market

TABLE 82 INDONESIA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 83 INDONESIA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 84 INDONESIA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 85 INDONESIA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

#### 10.3.6 THAILAND

10.3.6.1 Focus on establishing green automotive base to drive market

TABLE 86 THAILAND: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 87 THAILAND: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 88 THAILAND: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 89 THAILAND: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

#### 10.3.7 REST OF ASIA PACIFIC

TABLE 90 REST OF ASIA PACIFIC: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 91 REST OF ASIA PACIFIC: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 92 REST OF ASIA PACIFIC: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 93 REST OF ASIA PACIFIC: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

#### 10.4 EUROPE

FIGURE 35 EUROPE: SILANES MARKET SNAPSHOT

TABLE 94 EUROPE: SILANES MARKET SIZE, BY COUNTRY, 2020–2027 (USD MILLION)

TABLE 95 EUROPE: SILANES MARKET SIZE, BY COUNTRY, 2020–2027 (THOUSAND TON)

TABLE 96 EUROPE: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 97 EUROPE: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 98 EUROPE: SILANES MARKET SIZE, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 99 EUROPE: SILANES MARKET SIZE, BY APPLICATION, 2016–2019 (THOUSAND TON)

TABLE 100 EUROPE: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 101 EUROPE: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

##### 10.4.1 GERMANY

10.4.1.1 Focus on green tire production to boost market

TABLE 102 GERMANY: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 103 GERMANY: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 104 GERMANY: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 105 GERMANY: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

##### 10.4.2 FRANCE

10.4.2.1 Strong growth of import/export of rubber and plastic machinery to support market

TABLE 106 FRANCE: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 107 FRANCE: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 108 FRANCE: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 109 FRANCE: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

#### 10.4.3 UK

10.4.3.1 Growing demand for SUVs to drive market

TABLE 110 UK: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 111 UK: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 112 UK: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 113 UK: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

#### 10.4.4 ITALY

10.4.4.1 Growth of major end-use industries to propel market

TABLE 114 ITALY: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 115 ITALY: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 116 ITALY: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 117 ITALY: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

#### 10.4.5 REST OF EUROPE

TABLE 118 REST OF EUROPE: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 119 REST OF EUROPE: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 120 REST OF EUROPE: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 121 REST OF EUROPE: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

#### 10.5 SOUTH AMERICA

TABLE 122 SOUTH AMERICA: SILANES MARKET SIZE, BY COUNTRY, 2020–2027 (USD MILLION)

TABLE 123 SOUTH AMERICA: SILANES MARKET SIZE, BY COUNTRY, 2020–2027 (THOUSAND TON)

TABLE 124 SOUTH AMERICA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD



MILLION)

TABLE 125 SOUTH AMERICA: SILANES MARKET SIZE, BY TYPE, 2020–2027  
(THOUSAND TON)

TABLE 126 SOUTH AMERICA: SILANES MARKET SIZE, BY APPLICATION,  
2016–2019 (USD MILLION)

TABLE 127 SOUTH AMERICA: SILANES MARKET SIZE, BY APPLICATION,  
2016–2019 (THOUSAND TON)

TABLE 128 SOUTH AMERICA: SILANES MARKET SIZE, BY APPLICATION,  
2020–2027 (USD MILLION)

TABLE 129 SOUTH AMERICA: SILANES MARKET SIZE, BY APPLICATION,  
2020–2027 (THOUSAND TON)

#### 10.5.1 BRAZIL

10.5.1.1 Growth of plastic packaging market to increase demand for silanes

TABLE 130 BRAZIL: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 131 BRAZIL: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND  
TON)

TABLE 132 BRAZIL: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD  
MILLION)

TABLE 133 BRAZIL: SILANES MARKET SIZE, BY APPLICATION, 2020–2027  
(THOUSAND TON)

#### 10.5.2 ARGENTINA

10.5.2.1 Government initiatives for growth of automotive sector to drive market

TABLE 134 ARGENTINA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD  
MILLION)

TABLE 135 ARGENTINA: SILANES MARKET SIZE, BY TYPE, 2020–2027  
(THOUSAND TON)

TABLE 136 ARGENTINA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027  
(USD MILLION)

TABLE 137 ARGENTINA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027  
(THOUSAND TON)

#### 10.5.3 REST OF SOUTH AMERICA

TABLE 138 REST OF SOUTH AMERICA: SILANES MARKET SIZE, BY TYPE,  
2020–2027 (USD MILLION)

TABLE 139 REST OF SOUTH AMERICA: SILANES MARKET SIZE, BY TYPE,  
2020–2027 (THOUSAND TON)

TABLE 140 REST OF SOUTH AMERICA: SILANES MARKET SIZE, BY  
APPLICATION, 2020–2027 (USD MILLION)

TABLE 141 REST OF SOUTH AMERICA: SILANES MARKET SIZE, BY  
APPLICATION, 2020–2027 (THOUSAND TON)

## 10.6 MIDDLE EAST & AFRICA

TABLE 142 MIDDLE EAST & AFRICA: SILANES MARKET SIZE, BY COUNTRY, 2020–2027 (USD MILLION)

TABLE 143 MIDDLE EAST & AFRICA: SILANES MARKET SIZE, BY COUNTRY, 2020–2027 (THOUSAND TON)

TABLE 144 MIDDLE EAST & AFRICA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 145 MIDDLE EAST & AFRICA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 146 MIDDLE EAST & AFRICA: SILANES MARKET SIZE, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 147 MIDDLE EAST & AFRICA: SILANES MARKET SIZE, BY APPLICATION, 2016–2019 (THOUSAND TON)

TABLE 148 MIDDLE EAST & AFRICA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 149 MIDDLE EAST & AFRICA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

### 10.6.1 SAUDI ARABIA

10.6.1.1 Decorative paints & coatings application to drive market

TABLE 150 SAUDI ARABIA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 151 SAUDI ARABIA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 152 SAUDI ARABIA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 153 SAUDI ARABIA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

### 10.6.2 UAE

10.6.2.1 Growing building & construction industry and paints & coatings application to drive market

TABLE 154 UAE: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 155 UAE: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 156 UAE: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 157 UAE: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

### 10.6.3 REST OF MIDDLE EAST & AFRICA

TABLE 158 REST OF MIDDLE EAST & AFRICA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (USD MILLION)

TABLE 159 REST OF MIDDLE EAST & AFRICA: SILANES MARKET SIZE, BY TYPE, 2020–2027 (THOUSAND TON)

TABLE 160 REST OF MIDDLE EAST & AFRICA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 161 REST OF MIDDLE EAST & AFRICA: SILANES MARKET SIZE, BY APPLICATION, 2020–2027 (THOUSAND TON)

## **11 COMPETITIVE LANDSCAPE**

### **11.1 OVERVIEW**

FIGURE 36 OVERVIEW OF KEY STRATEGIES ADOPTED BY KEY PLAYERS, 2018–2022

### **11.2 RANKING ANALYSIS OF KEY MARKET PLAYERS, 2021**

FIGURE 37 REVENUE & RANKING ANALYSIS OF TOP 5 PLAYERS IN SILANES MARKET, 2021

### **11.3 MARKET SHARE ANALYSIS OF TOP 5 PLAYERS**

FIGURE 38 SHARE OF KEY PLAYERS IN SILANES MARKET, 2021

TABLE 162 SILANES MARKET: DEGREE OF COMPETITION

### **11.4 REVENUE ANALYSIS OF TOP 5 MARKET PLAYERS**

FIGURE 39 TOP 5 PLAYERS DOMINATED MARKET DURING 2017–2021

### **11.5 MARKET EVALUATION FRAMEWORK**

TABLE 163 MARKET EVALUATION FRAMEWORK

### **11.6 COMPANY EVALUATION QUADRANT**

#### **11.6.1 STARS**

#### **11.6.2 EMERGING LEADERS**

#### **11.6.3 PERVASIVE PLAYERS**

#### **11.6.4 PARTICIPANTS**

FIGURE 40 SILANES MARKET: COMPETITIVE LEADERSHIP MAPPING, 2021

TABLE 164 KEY PLAYERS: PRODUCT FOOTPRINT, BY TYPE

TABLE 165 KEY PLAYERS: PRODUCT FOOTPRINT, BY APPLICATION

TABLE 166 KEY PLAYERS: REGION FOOTPRINT

### **11.7 START-UP/SME MATRIX**

#### **11.7.1 PROGRESSIVE COMPANIES**

#### **11.7.2 RESPONSIVE COMPANIES**

#### **11.7.3 DYNAMIC COMPANIES**

#### **11.7.4 STARTING BLOCKS**

FIGURE 41 SILANES MARKET: START-UP/SME MATRIX, 2021

TABLE 167 START-UPS/SMES: PRODUCT FOOTPRINT, BY TYPE

TABLE 168 START-UPS/SMES: PRODUCT FOOTPRINT, BY APPLICATION

**TABLE 169 START-UPS/SMES: REGION FOOTPRINT****11.8 COMPETITIVE SCENARIO AND TRENDS****11.8.1 PRODUCT LAUNCHES****TABLE 170 PRODUCT LAUNCHES, 2018–2022****11.8.2 DEALS****TABLE 171 DEALS, 2018–2022****12 COMPANY PROFILES**

(Business Overview, Products Offered, Recent Developments, Deals, MnM view, Right to win, Strategic choices, Weakness and competitive threats) \*

**12.1 KEY PLAYERS****12.1.1 EVONIK INDUSTRIES****TABLE 172 EVONIK INDUSTRIES: COMPANY OVERVIEW****FIGURE 42 EVONIK INDUSTRIES: COMPANY SNAPSHOT****TABLE 173 EVONIK INDUSTRIES: PRODUCT LAUNCHES****TABLE 174 EVONIK INDUSTRIES: DEALS****TABLE 175 EVONIK INDUSTRIES: OTHERS****12.1.2 SHIN-ETSU CHEMICAL CO., LTD.****TABLE 176 SHIN-ETSU CHEMICAL CO., LTD.: COMPANY OVERVIEW****FIGURE 43 SHIN-ETSU CHEMICAL CO., LTD.: COMPANY SNAPSHOT****TABLE 177 SHIN-ETSU CHEMICAL CO., LTD.: PRODUCT LAUNCHES****TABLE 178 SHIN-ETSU CHEMICAL CO., LTD.: OTHERS****12.1.3 MOMENTIVE PERFORMANCE MATERIALS HOLDINGS LLC****TABLE 179 MOMENTIVE PERFORMANCE MATERIALS HOLDINGS LLC: COMPANY OVERVIEW****FIGURE 44 MOMENTIVE PERFORMANCE MATERIALS HOLDINGS LLC: COMPANY SNAPSHOT****TABLE 180 MOMENTIVE PERFORMANCE MATERIALS HOLDINGS LLC: DEALS****TABLE 181 MOMENTIVE PERFORMANCE MATERIALS HOLDINGS LLC: OTHERS****12.1.4 DOW INC.****TABLE 182 DOW INC.: COMPANY OVERVIEW****FIGURE 45 DOW INC.: COMPANY SNAPSHOT****TABLE 183 DOW INC.: OTHERS****12.1.5 WACKER CHEMIE AG****TABLE 184 WACKER CHEMIE AG.: COMPANY OVERVIEW****FIGURE 46 WACKER CHEMIE AG: COMPANY SNAPSHOT****TABLE 185 WACKER CHEMIE AG: DEALS****TABLE 186 WACKER CHEMIE AG: OTHERS**

#### 12.1.6 GELEST, INC.

TABLE 187 GELEST, INC.: COMPANY OVERVIEW

TABLE 188 GELEST, INC.: PRODUCT LAUNCHES

TABLE 189 GELEST, INC.: DEALS

#### 12.1.7 WD SILICONE CO., LTD.

TABLE 190 WD SILICONE CO., LTD.: COMPANY OVERVIEW

#### 12.1.8 JINGZHOU JIANGHAN FINE CHEMICAL CO., LTD.

TABLE 191 JINGZHOU JIANGHAN FINE CHEMICAL CO., LTD.: COMPANY OVERVIEW

#### 12.1.9 NANJING SHUGUANG CHEMICAL GROUP CO., LTD.

TABLE 192 NANJING SHUGUANG CHEMICAL GROUP CO., LTD.: COMPANY OVERVIEW

#### 12.1.10 CHINA NATIONAL BLUESTAR (GROUP) CO, LTD.

TABLE 193 CHINA NATIONAL BLUESTAR (GROUP) CO, LTD.: COMPANY OVERVIEW

TABLE 194 CHINA NATIONAL BLUESTAR (GROUP) CO, LTD.: DEALS

TABLE 195 CHINA NATIONAL BLUESTAR (GROUP) CO, LTD.: OTHERS

### 12.2 OTHER PLAYERS

#### 12.2.1 AIR LIQUIDE S.A.

#### 12.2.2 CAPATUE CHEMICAL CO. LTD.

#### 12.2.3 NANJING LANYA CHEMICAL CO. LTD.

#### 12.2.4 HUBEI BLUESKY NEW MATERIAL INC.

#### 12.2.5 SK MATERIALS CO. LTD.

#### 12.2.6 SUPREME SILICONES INDIA PVT LTD.

#### 12.2.7 CHT GROUP

#### 12.2.8 TOKYO CHEMICAL INDUSTRY CO., LTD. (TCI)

#### 12.2.9 SHANDONG WANDA ORGANOSILICON NEW MATERIAL CO., LTD.

#### 12.2.10 QUFU CHENGUANG CHEMICAL CO., LTD.

#### 12.2.11 SCHILL + SEILACHER CHEMIE GMBH

#### 12.2.12 MILLIKEN & COMPANY

#### 12.2.13 PCC SE

#### 12.2.14 ENTEGRIS, INC.

#### 12.2.15 KETTLITZ-CHEMIE GMBH & CO KG

\*Details on Business Overview, Products Offered, Recent Developments, Deals, MnM view, Right to win, Strategic choices, Weakness and competitive threats might not be captured in case of unlisted companies.

## 13 APPENDIX

13.1 DISCUSSION GUIDE

13.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

13.3 CUSTOMIZATION OPTIONS

13.4 RELATED REPORTS

13.5 AUTHOR DETAILS

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