

# **Sulfur Hexafluoride Market Forecasts to 2028 – Global Analysis By Product (Electronic/Technical Grade, Standard Grade, Ultra High Purity (UHP) Grade), Packaging (Cylinders, Drum Tanks), Application, End User and By Geography**

<https://marketpublishers.com/r/S4EFE898242AEN.html>

Date: August 2021

Pages: 150

Price: US\$ 4,150.00 (Single User License)

ID: S4EFE898242AEN

## **Abstracts**

According to Statistics MRC, the Global Sulfur Hexafluoride Market is accounted for \$237.94 million in 2020 and is expected to reach \$424.37 million by 2028 growing at a CAGR of 7.5% during the forecast period. Increase in electricity consumption, rising demand for homes and infrastructure development are the major factors propelling the market growth. However, huge production & supply costs of raw materials and rise in environmental concerns & regulations to control greenhouse effects are hampering the market growth.

Sulfur hexafluoride (SF<sub>6</sub>) is a non-flammable, non-toxic, colorless, odorless, and unreactive liquefied gas under normal atmospheric conditions. It is typically produced in itemized amounts through the direct fluorination of high-purity sulfur and transported in tube trailers and cylinders under its own vapour pressure across the world. It is an excellent dielectric material, and shows outstanding electric insulating properties. SF<sub>6</sub> also has some non-electrical applications such as manufacturing of molten magnesium and aluminum, leak detection, window insulation, plasma etching for semiconductor chip production, shock absorbers, contrasting agent in ultrasound imaging, and a tracer in monitoring air pollution, among others.

Based on application, the power & energy segment is estimated to have a lucrative growth due to the large-scale use of SF<sub>6</sub> in the manufacturing of gas-insulated switchgear (GIS), switchgear, high-voltage circuit breakers, high voltage transformers, gas-insulated power substations, distribution voltage, gas-insulated transmission lines,

and particles accelerators, among others which are the major drivers for the product in power & energy industry. SF6 acts as insulation in super-voltage generators present in particle and electron accelerators for property enhancement of polymeric materials.

By geography, Asia Pacific is going to have a lucrative growth during the forecast period due to the continued robust economic growth, low production and labor cost, and favorable regulatory framework. These factors are influencing the bulk production of SF6, which in turn is fueling the growth of the product market in the region. China is a highly lucrative country for sulfur hexafluoride in Asia Pacific. Rapid urbanization due to rise in demand for power utilities in the country and presence of a well-established semiconductor manufacturing industry are anticipated to fuel the sulfur hexafluoride market in China during the forecast period. Demand for end-use applications in the electronics industry has been increasing mainly in countries such as Thailand, South Korea, Taiwan, and Malaysia. This, in turn, is projected to fuel the sulfur hexafluoride market during the forecast period.

Some of the key players profiled in the Sulfur Hexafluoride Market include Advanced Specialty Gases, Air Liquide, Air Products and Chemicals, Inc, ChemChina, Concorde Specialty Gases, Fujian Shaowu Yongfei Chemical Co., Ltd, Honeywell International, Kanto Denka Kogyo, Linde Group, Matheson Tri-Gas, Inc, Praxair, Shandong Ruihua Fluoride Industry Co. Ltd, Showa Denko K.K, Solvay, and Wuxi Tianzhi Chemical Technology Co., Ltd.

#### Products Covered:

Electronic/Technical Grade

Standard Grade

Ultra High Purity (UHP) Grade

#### Packagings Covered:

Cylinders

Drum Tanks

**Applications Covered:**

Electrical Transmission and Distribution

Semiconductor Manufacturing

**End Users Covered:**

Electronics

Glass

Medical Technology

Power & Energy

Steel and Metal

Window Insulation

**Regions Covered:**

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2019, 2020, 2021, 2025, and 2028

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

## Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

## Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

## Contents

### **1 EXECUTIVE SUMMARY**

### **2 PREFACE**

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
  - 2.4.1 Data Mining
  - 2.4.2 Data Analysis
  - 2.4.3 Data Validation
  - 2.4.4 Research Approach
- 2.5 Research Sources
  - 2.5.1 Primary Research Sources
  - 2.5.2 Secondary Research Sources
  - 2.5.3 Assumptions

### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Product Analysis
- 3.7 Application Analysis
- 3.8 End User Analysis
- 3.9 Emerging Markets
- 3.10 Impact of Covid-19

### **4 PORTERS FIVE FORCE ANALYSIS**

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

## **5 GLOBAL SULFUR HEXAFLUORIDE MARKET, BY PRODUCT**

- 5.1 Introduction
- 5.2 Electronic/Technical Grade
- 5.3 Standard Grade
- 5.4 Ultra High Purity (UHP) Grade

## **6 GLOBAL SULFUR HEXAFLUORIDE MARKET, BY PACKAGING**

- 6.1 Introduction
- 6.2 Cylinders
- 6.3 Drum Tanks

## **7 GLOBAL SULFUR HEXAFLUORIDE MARKET, BY APPLICATION**

- 7.1 Introduction
- 7.2 Electrical Transmission and Distribution
- 7.3 Semiconductor Manufacturing

## **8 GLOBAL SULFUR HEXAFLUORIDE MARKET, BY END USER**

- 8.1 Introduction
- 8.2 Electronics
- 8.3 Glass
- 8.4 Medical Technology
- 8.5 Power & Energy
- 8.6 Steel and Metal
- 8.7 Window Insulation

## **9 GLOBAL SULFUR HEXAFLUORIDE MARKET, BY GEOGRAPHY**

- 9.1 Introduction
- 9.2 North America
  - 9.2.1 US
  - 9.2.2 Canada
  - 9.2.3 Mexico
- 9.3 Europe
  - 9.3.1 Germany



- 9.3.2 UK
- 9.3.3 Italy
- 9.3.4 France
- 9.3.5 Spain
- 9.3.6 Rest of Europe
- 9.4 Asia Pacific
  - 9.4.1 Japan
  - 9.4.2 China
  - 9.4.3 India
  - 9.4.4 Australia
  - 9.4.5 New Zealand
  - 9.4.6 South Korea
  - 9.4.7 Rest of Asia Pacific
- 9.5 South America
  - 9.5.1 Argentina
  - 9.5.2 Brazil
  - 9.5.3 Chile
  - 9.5.4 Rest of South America
- 9.6 Middle East & Africa
  - 9.6.1 Saudi Arabia
  - 9.6.2 UAE
  - 9.6.3 Qatar
  - 9.6.4 South Africa
  - 9.6.5 Rest of Middle East & Africa

## **10 KEY DEVELOPMENTS**

- 10.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 10.2 Acquisitions & Mergers
- 10.3 New Product Launch
- 10.4 Expansions
- 10.5 Other Key Strategies

## **11 COMPANY PROFILING**

- 11.1 Advanced Specialty Gases
- 11.2 Air Liquide
- 11.3 Air Products and Chemicals, Inc
- 11.4 ChemChina

- 11.5 Concorde Specialty Gases
- 11.6 Fujian Shaowu Yongfei Chemical Co., Ltd
- 11.7 Honeywell International
- 11.8 Kanto Denka Kogyo
- 11.9 Linde Group
- 11.10 Matheson Tri-Gas, Inc
- 11.11 Praxair
- 11.12 Shandong Ruihua Fluoride Industry Co. Ltd
- 11.13 Showa Denko K.K
- 11.14 Solvay
- 11.15 Wuxi Tianzhi Chemical Technology Co., Ltd

## List Of Tables

### LIST OF TABLES

- Table 1 Global Sulfur Hexafluoride Market Outlook, By Region (2019-2028) (\$MN)
- Table 2 Global Sulfur Hexafluoride Market Outlook, By Product (2019-2028) (\$MN)
- Table 3 Global Sulfur Hexafluoride Market Outlook, By Electronic/Technical Grade (2019-2028) (\$MN)
- Table 4 Global Sulfur Hexafluoride Market Outlook, By Standard Grade (2019-2028) (\$MN)
- Table 5 Global Sulfur Hexafluoride Market Outlook, By Ultra High Purity (UHP) Grade (2019-2028) (\$MN)
- Table 6 Global Sulfur Hexafluoride Market Outlook, By Packaging (2019-2028) (\$MN)
- Table 7 Global Sulfur Hexafluoride Market Outlook, By Cylinders (2019-2028) (\$MN)
- Table 8 Global Sulfur Hexafluoride Market Outlook, By Drum Tanks (2019-2028) (\$MN)
- Table 9 Global Sulfur Hexafluoride Market Outlook, By Application (2019-2028) (\$MN)
- Table 10 Global Sulfur Hexafluoride Market Outlook, By Electrical Transmission and Distribution (2019-2028) (\$MN)
- Table 11 Global Sulfur Hexafluoride Market Outlook, By Semiconductor Manufacturing (2019-2028) (\$MN)
- Table 12 Global Sulfur Hexafluoride Market Outlook, By End User (2019-2028) (\$MN)
- Table 13 Global Sulfur Hexafluoride Market Outlook, By Electronics (2019-2028) (\$MN)
- Table 14 Global Sulfur Hexafluoride Market Outlook, By Glass (2019-2028) (\$MN)
- Table 15 Global Sulfur Hexafluoride Market Outlook, By Medical Technology (2019-2028) (\$MN)
- Table 16 Global Sulfur Hexafluoride Market Outlook, By Power & Energy (2019-2028) (\$MN)
- Table 17 Global Sulfur Hexafluoride Market Outlook, By Steel and Metal (2019-2028) (\$MN)
- Table 18 Global Sulfur Hexafluoride Market Outlook, By Window Insulation (2019-2028) (\$MN)
- Table 19 North America Sulfur Hexafluoride Market Outlook, By Country (2019-2028) (\$MN)
- Table 20 North America Sulfur Hexafluoride Market Outlook, By Product (2019-2028) (\$MN)
- Table 21 North America Sulfur Hexafluoride Market Outlook, By Electronic/Technical Grade (2019-2028) (\$MN)
- Table 22 North America Sulfur Hexafluoride Market Outlook, By Standard Grade (2019-2028) (\$MN)

Table 23 North America Sulfur Hexafluoride Market Outlook, By Ultra High Purity (UHP) Grade (2019-2028) (\$MN)

Table 24 North America Sulfur Hexafluoride Market Outlook, By Packaging (2019-2028) (\$MN)

Table 25 North America Sulfur Hexafluoride Market Outlook, By Cylinders (2019-2028) (\$MN)

Table 26 North America Sulfur Hexafluoride Market Outlook, By Drum Tanks (2019-2028) (\$MN)

Table 27 North America Sulfur Hexafluoride Market Outlook, By Application (2019-2028) (\$MN)

Table 28 North America Sulfur Hexafluoride Market Outlook, By Electrical Transmission and Distribution (2019-2028) (\$MN)

Table 29 North America Sulfur Hexafluoride Market Outlook, By Semiconductor Manufacturing (2019-2028) (\$MN)

Table 30 North America Sulfur Hexafluoride Market Outlook, By End User (2019-2028) (\$MN)

Table 31 North America Sulfur Hexafluoride Market Outlook, By Electronics (2019-2028) (\$MN)

Table 32 North America Sulfur Hexafluoride Market Outlook, By Glass (2019-2028) (\$MN)

Table 33 North America Sulfur Hexafluoride Market Outlook, By Medical Technology (2019-2028) (\$MN)

Table 34 North America Sulfur Hexafluoride Market Outlook, By Power & Energy (2019-2028) (\$MN)

Table 35 North America Sulfur Hexafluoride Market Outlook, By Steel and Metal (2019-2028) (\$MN)

Table 36 North America Sulfur Hexafluoride Market Outlook, By Window Insulation (2019-2028) (\$MN)

Table 37 Europe Sulfur Hexafluoride Market Outlook, By Country (2019-2028) (\$MN)

Table 38 Europe Sulfur Hexafluoride Market Outlook, By Product (2019-2028) (\$MN)

Table 39 Europe Sulfur Hexafluoride Market Outlook, By Electronic/Technical Grade (2019-2028) (\$MN)

Table 40 Europe Sulfur Hexafluoride Market Outlook, By Standard Grade (2019-2028) (\$MN)

Table 41 Europe Sulfur Hexafluoride Market Outlook, By Ultra High Purity (UHP) Grade (2019-2028) (\$MN)

Table 42 Europe Sulfur Hexafluoride Market Outlook, By Packaging (2019-2028) (\$MN)

Table 43 Europe Sulfur Hexafluoride Market Outlook, By Cylinders (2019-2028) (\$MN)

Table 44 Europe Sulfur Hexafluoride Market Outlook, By Drum Tanks (2019-2028)

(\$MN)

Table 45 Europe Sulfur Hexafluoride Market Outlook, By Application (2019-2028) (\$MN)

Table 46 Europe Sulfur Hexafluoride Market Outlook, By Electrical Transmission and Distribution (2019-2028) (\$MN)

Table 47 Europe Sulfur Hexafluoride Market Outlook, By Semiconductor Manufacturing (2019-2028) (\$MN)

Table 48 Europe Sulfur Hexafluoride Market Outlook, By End User (2019-2028) (\$MN)

Table 49 Europe Sulfur Hexafluoride Market Outlook, By Electronics (2019-2028) (\$MN)

Table 50 Europe Sulfur Hexafluoride Market Outlook, By Glass (2019-2028) (\$MN)

Table 51 Europe Sulfur Hexafluoride Market Outlook, By Medical Technology (2019-2028) (\$MN)

Table 52 Europe Sulfur Hexafluoride Market Outlook, By Power & Energy (2019-2028) (\$MN)

Table 53 Europe Sulfur Hexafluoride Market Outlook, By Steel and Metal (2019-2028) (\$MN)

Table 54 Europe Sulfur Hexafluoride Market Outlook, By Window Insulation (2019-2028) (\$MN)

Table 55 Asia Pacific Sulfur Hexafluoride Market Outlook, By Country (2019-2028) (\$MN)

Table 56 Asia Pacific Sulfur Hexafluoride Market Outlook, By Product (2019-2028) (\$MN)

Table 57 Asia Pacific Sulfur Hexafluoride Market Outlook, By Electronic/Technical Grade (2019-2028) (\$MN)

Table 58 Asia Pacific Sulfur Hexafluoride Market Outlook, By Standard Grade (2019-2028) (\$MN)

Table 59 Asia Pacific Sulfur Hexafluoride Market Outlook, By Ultra High Purity (UHP) Grade (2019-2028) (\$MN)

Table 60 Asia Pacific Sulfur Hexafluoride Market Outlook, By Packaging (2019-2028) (\$MN)

Table 61 Asia Pacific Sulfur Hexafluoride Market Outlook, By Cylinders (2019-2028) (\$MN)

Table 62 Asia Pacific Sulfur Hexafluoride Market Outlook, By Drum Tanks (2019-2028) (\$MN)

Table 63 Asia Pacific Sulfur Hexafluoride Market Outlook, By Application (2019-2028) (\$MN)

Table 64 Asia Pacific Sulfur Hexafluoride Market Outlook, By Electrical Transmission and Distribution (2019-2028) (\$MN)

Table 65 Asia Pacific Sulfur Hexafluoride Market Outlook, By Semiconductor Manufacturing (2019-2028) (\$MN)

Table 66 Asia Pacific Sulfur Hexafluoride Market Outlook, By End User (2019-2028) (\$MN)

Table 67 Asia Pacific Sulfur Hexafluoride Market Outlook, By Electronics (2019-2028) (\$MN)

Table 68 Asia Pacific Sulfur Hexafluoride Market Outlook, By Glass (2019-2028) (\$MN)

Table 69 Asia Pacific Sulfur Hexafluoride Market Outlook, By Medical Technology (2019-2028) (\$MN)

Table 70 Asia Pacific Sulfur Hexafluoride Market Outlook, By Power & Energy (2019-2028) (\$MN)

Table 71 Asia Pacific Sulfur Hexafluoride Market Outlook, By Steel and Metal (2019-2028) (\$MN)

Table 72 Asia Pacific Sulfur Hexafluoride Market Outlook, By Window Insulation (2019-2028) (\$MN)

Table 73 South America Sulfur Hexafluoride Market Outlook, By Country (2019-2028) (\$MN)

Table 74 South America Sulfur Hexafluoride Market Outlook, By Product (2019-2028) (\$MN)

Table 75 South America Sulfur Hexafluoride Market Outlook, By Electronic/Technical Grade (2019-2028) (\$MN)

Table 76 South America Sulfur Hexafluoride Market Outlook, By Standard Grade (2019-2028) (\$MN)

Table 77 South America Sulfur Hexafluoride Market Outlook, By Ultra High Purity (UHP) Grade (2019-2028) (\$MN)

Table 78 South America Sulfur Hexafluoride Market Outlook, By Packaging (2019-2028) (\$MN)

Table 79 South America Sulfur Hexafluoride Market Outlook, By Cylinders (2019-2028) (\$MN)

Table 80 South America Sulfur Hexafluoride Market Outlook, By Drum Tanks (2019-2028) (\$MN)

Table 81 South America Sulfur Hexafluoride Market Outlook, By Application (2019-2028) (\$MN)

Table 82 South America Sulfur Hexafluoride Market Outlook, By Electrical Transmission and Distribution (2019-2028) (\$MN)

Table 83 South America Sulfur Hexafluoride Market Outlook, By Semiconductor Manufacturing (2019-2028) (\$MN)

Table 84 South America Sulfur Hexafluoride Market Outlook, By End User (2019-2028) (\$MN)

Table 85 South America Sulfur Hexafluoride Market Outlook, By Electronics (2019-2028) (\$MN)

Table 86 South America Sulfur Hexafluoride Market Outlook, By Glass (2019-2028) (\$MN)

Table 87 South America Sulfur Hexafluoride Market Outlook, By Medical Technology (2019-2028) (\$MN)

Table 88 South America Sulfur Hexafluoride Market Outlook, By Power & Energy (2019-2028) (\$MN)

Table 89 South America Sulfur Hexafluoride Market Outlook, By Steel and Metal (2019-2028) (\$MN)

Table 90 South America Sulfur Hexafluoride Market Outlook, By Window Insulation (2019-2028) (\$MN)

Table 91 Middle East & Africa Sulfur Hexafluoride Market Outlook, By Country (2019-2028) (\$MN)

Table 92 Middle East & Africa Sulfur Hexafluoride Market Outlook, By Product (2019-2028) (\$MN)

Table 93 Middle East & Africa Sulfur Hexafluoride Market Outlook, By Electronic/Technical Grade (2019-2028) (\$MN)

Table 94 Middle East & Africa Sulfur Hexafluoride Market Outlook, By Standard Grade (2019-2028) (\$MN)

Table 95 Middle East & Africa Sulfur Hexafluoride Market Outlook, By Ultra High Purity (UHP) Grade (2019-2028) (\$MN)

Table 96 Middle East & Africa Sulfur Hexafluoride Market Outlook, By Packaging (2019-2028) (\$MN)

Table 97 Middle East & Africa Sulfur Hexafluoride Market Outlook, By Cylinders (2019-2028) (\$MN)

Table 98 Middle East & Africa Sulfur Hexafluoride Market Outlook, By Drum Tanks (2019-2028) (\$MN)

Table 99 Middle East & Africa Sulfur Hexafluoride Market Outlook, By Application (2019-2028) (\$MN)

Table 100 Middle East & Africa Sulfur Hexafluoride Market Outlook, By Electrical Transmission and Distribution (2019-2028) (\$MN)

Table 101 Middle East & Africa Sulfur Hexafluoride Market Outlook, By Semiconductor Manufacturing (2019-2028) (\$MN)

Table 102 Middle East & Africa Sulfur Hexafluoride Market Outlook, By End User (2019-2028) (\$MN)

Table 103 Middle East & Africa Sulfur Hexafluoride Market Outlook, By Electronics (2019-2028) (\$MN)

Table 104 Middle East & Africa Sulfur Hexafluoride Market Outlook, By Glass (2019-2028) (\$MN)

Table 105 Middle East & Africa Sulfur Hexafluoride Market Outlook, By Medical

Technology (2019-2028) (\$MN)

Table 106 Middle East & Africa Sulfur Hexafluoride Market Outlook, By Power & Energy (2019-2028) (\$MN)

Table 107 Middle East & Africa Sulfur Hexafluoride Market Outlook, By Steel and Metal (2019-2028) (\$MN)

Table 108 Middle East & Africa Sulfur Hexafluoride Market Outlook, By Window Insulation (2019-2028) (\$MN)



## I would like to order

Product name: Sulfur Hexafluoride Market Forecasts to 2028 – Global Analysis By Product  
(Electronic/Technical Grade, Standard Grade, Ultra High Purity (UHP) Grade), Packaging  
(Cylinders, Drum Tanks), Application, End User and By Geography

Product link: <https://marketpublishers.com/r/S4EFE898242AEN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer  
Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click  
button on product page <https://marketpublishers.com/r/S4EFE898242AEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form  
below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms  
& Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970