

Global Perfluorobutyl Sulfonyl Chloride Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Perfluorobutyl Sulfonyl Chloride market size is expected to reach \$ 17.86 million by 2032, rising at a market growth of 4.5% CAGR during the forecast period (2026-2032).

Perfluorobutyl sulfonyl chloride (CAS 2991-84-6) is a C4 perfluoroalkyl sulfonyl chloride (RfSO₂Cl) and a highly electrophilic fluorinated sulfonylating reagent. It is typically a colorless liquid and reacts readily with nucleophiles to form perfluorobutylsulfonyl derivatives; it is also hydrolyzable, generating the corresponding perfluorobutanesulfonic acid (PFBS acid) under moisture/water exposure.

Upstream, industrial syntheses commonly build the C4 perfluoroalkyl sulfonyl framework first and then convert to the sulfonyl chloride via chlorination steps.

Downstream, it is used as a sulfonylating intermediate to prepare perfluoroalkyl sulfonate esters by reaction with alcohols in the presence of base, and fluorinated sulfonamides/sulfonamide surfactants by reaction with amines; it can also serve in fluorocarbon radical chemistry and other specialty-material surface treatments where controlled hydrolysis is leveraged.

In 2025, global sales of perfluorobutyl sulfonyl chloride reached approximately 97 tons, with an average global market price of around US\$ 130/kg. Production capacity varies significantly among manufacturers, with gross profit margins ranging from approximately 20% to 40%.

This report studies the global Perfluorobutyl Sulfonyl Chloride production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Perfluorobutyl Sulfonyl Chloride and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Perfluorobutyl Sulfonyl Chloride that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Perfluorobutyl Sulfonyl Chloride total production and demand, 2021-2032, (Tons)

Global Perfluorobutyl Sulfonyl Chloride total production value, 2021-2032, (USD Million)

Global Perfluorobutyl Sulfonyl Chloride production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Perfluorobutyl Sulfonyl Chloride consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Perfluorobutyl Sulfonyl Chloride domestic production, consumption, key domestic manufacturers and share

Global Perfluorobutyl Sulfonyl Chloride production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Perfluorobutyl Sulfonyl Chloride production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Perfluorobutyl Sulfonyl Chloride production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Perfluorobutyl Sulfonyl Chloride market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Fluoropharm, Shaoxing Kaibang New Material Technology, Jiangxi Time Pharmaceutical, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Perfluorobutyl Sulfonyl Chloride market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/kg) by

manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Perfluorobutyl Sulfonyl Chloride Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Perfluorobutyl Sulfonyl Chloride Market, Segmentation by Type:

98% Purity

99% Purity

Other

Global Perfluorobutyl Sulfonyl Chloride Market, Segmentation by Grade:

Industrial Grade

Electronics Grade

Pharmaceutical Grade

Global Perfluorobutyl Sulfonyl Chloride Market, Segmentation by Isomeric:

Linear Specified

Branched Isomer Specified

Isomer Mixture

Global Perfluorobutyl Sulfonyl Chloride Market, Segmentation by Application:

Pharmaceutical

Chemical

Other

Companies Profiled:

Fluoropharm

Shaoxing Kaibang New Material Technology

Jiangxi Time Pharmaceutical

Key Questions Answered:

1. How big is the global Perfluorobutyl Sulfonyl Chloride market?
2. What is the demand of the global Perfluorobutyl Sulfonyl Chloride market?
3. What is the year over year growth of the global Perfluorobutyl Sulfonyl Chloride market?
4. What is the production and production value of the global Perfluorobutyl Sulfonyl Chloride market?
5. Who are the key producers in the global Perfluorobutyl Sulfonyl Chloride market?
6. What are the growth factors driving the market demand?

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