

Global 1,3-Propylene Sulfite Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global 1,3-Propylene Sulfite market size was valued at US\$ 18.52 million in 2025 and is forecast to a readjusted size of US\$ 34.41 million by 2032 with a CAGR of 8.5% during review period.

Propylene sulfite, under the main scope of this report, refers to 1,3-Propylene Sulfite or Trimethylene Sulfite, CAS 4176-55-0. It is a cyclic sulfite compound used mainly as a lithium-ion battery electrolyte additive, especially for interface modification, electrolyte stability improvement and low-temperature performance enhancement. It is also sold as a research chemical or fine-chemical intermediate. The 1,2-propyleneglycol sulfite isomer, CAS 1469-73-4, should be treated separately.

According to our research, propylene sulfite should be treated as a niche lithium-ion battery electrolyte additive rather than a mainstream electrolyte solvent or a large-volume additive. The most appropriate scope is 1,3-Propylene Sulfite / Trimethylene Sulfite, CAS 4176-55-0. It should not be mixed with 1,2-propyleneglycol sulfite, 1,3-propane sultone, ethylene sulfite, ethylene sulfate, VC, FEC or other electrolyte additives.

From the demand side, its main value lies in electrolyte formulation improvement, especially interface modification, low-temperature behavior, high-temperature stability and compatibility with PC-containing electrolyte systems. However, it is usually used as a low-percentage additive rather than a base solvent. Therefore, market sizing should be based on the standalone additive value, not the total electrolyte market or total lithium battery market.

From the supply side, the public producer evidence is relatively weaker than for mainstream additives such as VC, FEC and DTD. Fujian Chuangxin appears to be one of the stronger China-based production leads. Shuangju Energy has a clear product page and battery-additive positioning, while Sinochem Nanjing has a product lead but needs further isomer verification. TCI, Sigma-Aldrich, J&K and Fisher Scientific should be classified mainly as research-grade, catalog or distribution channels rather than battery-grade bulk producers.

The key product barrier is not ordinary chemical availability, but battery-grade consistency. Customers care about purity, water content, acidity, color, metal ions, residual sulfur-containing impurities, packaging dryness, storage stability and batch-to-batch reproducibility. For electrolyte additive qualification, the material also needs to show stable SEI/CEI behavior, low gas generation, good cycling performance and compatibility with other additives such as VC, FEC, DTD, LiDFP or LiPO₂F₂.

Looking ahead, propylene sulfite is likely to remain a small but useful formulation additive. Its growth will depend on whether electrolyte manufacturers continue using it in specialized low-temperature, PC-compatible, high-voltage or high-temperature formulations. The market should be modeled as a small, China-skewed, formulation-driven electrolyte additive segment, with clear separation between battery-grade producers, high-purity suppliers, research catalog suppliers and distributors.

This report is a detailed and comprehensive analysis for global 1,3-Propylene Sulfite market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Product Grade and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global 1,3-Propylene Sulfite market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global 1,3-Propylene Sulfite market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global 1,3-Propylene Sulfite market size and forecasts, by Product Grade and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global 1,3-Propylene Sulfite market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for 1,3-Propylene Sulfite

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global 1,3-Propylene Sulfite market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Fujian Chuangxin Science and Technology Development Co., Ltd., Zhangjiagang Free Trade Zone Shuangju Energy Technology Co., Ltd., Sinochem Nanjing Corporation, Tokyo Chemical Industry Co., Ltd., Merck KGaA, American Elements, J&K Scientific, Thermo Fisher Scientific, Dayang Chem (Hangzhou) Co., Ltd., Shanghai Macklin Biochemical Co., Ltd., etc.

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

Market Segmentation

1,3-Propylene Sulfite market is split by Product Grade and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Product Grade, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Product Grade

Battery Grade

High-purity Industrial Grade

Research Grade

Custom COA Grade

Market segment by Electrolyte Function

SEI-forming Additive

Low-temperature Performance Additive

PC-compatible Additive

High-temperature Stability Additive

Gas Suppression / Side-reaction Control Additive

Market segment by Battery Chemistry

Graphite / NCM Li-ion Batteries

Graphite / LFP Li-ion Batteries

PC-containing Electrolyte Systems

Market segment by Application

Lithium-ion Electrolyte Additive

Organic Synthesis Intermediate

Electrolytic Capacitor / Specialty Electrochemical Use

Major players covered

Fujian Chuangxin Science and Technology Development Co., Ltd.

Zhangjiagang Free Trade Zone Shuangju Energy Technology Co., Ltd.

Sinochem Nanjing Corporation

Tokyo Chemical Industry Co., Ltd.

Merck KGaA

American Elements

J&K Scientific

Thermo Fisher Scientific

Dayang Chem (Hangzhou) Co., Ltd.

Shanghai Macklin Biochemical Co., Ltd.

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe 1,3-Propylene Sulfite product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 1,3-Propylene Sulfite, with price, sales quantity, revenue, and global market share of 1,3-Propylene Sulfite from 2021 to 2026.

Chapter 3, the 1,3-Propylene Sulfite competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 1,3-Propylene Sulfite breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Product Grade and by Application, with sales market share and growth rate by Product Grade, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and 1,3-Propylene Sulfite market forecast, by regions, by Product Grade, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of 1,3-Propylene Sulfite.

Chapter 14 and 15, to describe 1,3-Propylene Sulfite sales channel, distributors, customers, research findings and conclusion.

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