

# Market Analysis on Sulphur market, Betaine market and Fullerene market forecasted till 2030

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SEATTLE , WASHINGTON, USA, July 4, 2023 /EINPresswire.com/ -- Executive Summary

The global sulphur market is expected to grow at a CAGR of 3.20% during the forecast period of 2023-2030. The increasing demand for sulphur in the production of fertilizers and chemicals is driving the market growth. The Asia-Pacific region is the largest market for sulphur, owing to the high demand from the agriculture and chemical industries. However, the growing environmental concerns and regulations related to sulphur emissions are expected to hamper the market growth. Some of the key players in the market include Suncor Energy Inc., Saudi Arabian Oil Co., Exxon Mobil Corp., and The Mosaic Company.

The global Sulphur Market is highly competitive with a few key players dominating the market. Some of the major players in the market include Saudi Aramco, Gazprom, Abu Dhabi National Oil Company (ADNOC), Canadian Natural Resources, Tengizchevroil, Shell, Qatar Petrochemical Company (QAPCO), Kuwait Petroleum Corporation, NPC, Suncor Energy, Egyptian General Petroleum Corporation, Pemex, Freeport-McMoRan, Indian Oil Corporation, Petrobras, Petroliaam Nasional Berhad, Sinopec, CNPC, and Sinochem. These companies utilize sulphur for the production of fertilizers, chemicals, and petroleum products.

In terms of sales revenue, Saudi Aramco had a revenue of \$355.9 billion in 2020. Shell had a revenue of \$180.5 billion, while Petroliaam Nasional Berhad had a revenue of \$37.9 billion. These figures indicate the significant market share held by these companies in the global sulphur market. Overall, the key players in the sulphur market utilize the raw material in various applications, which helps to fuel the growth of the market.

Sulfur can be found in various forms, but the most common types are natural gas, crude oil, and others. Natural gas contains hydrogen sulfide, which is processed to produce elemental sulfur. On the other hand, crude oil has organic sulfur compounds that are removed through the refining process. The "others" category includes pyrite, gypsum, and other sulfur-containing minerals.

The demand for sulfur has been steadily increasing, mainly due to its diversified applications in various industries such as fertilizers, chemicals, petroleum refining, and pharmaceuticals. The

use of sulfur in the production of fertilizers boosts the agricultural sector by increasing crops' yield. Sulfur-containing chemicals are used in the manufacturing of detergents, acids, and rubber products.

Sulfur has numerous industrial applications due to its unique chemical properties. Sulfuric acid is one of its most common derivatives, which is extensively used in the production of fertilizers and metal manufacturing. Sulfuric acid is a vital component in making phosphoric acid, which is used to manufacture fertilizers. In metal manufacturing, it is used to remove impurities from the metal surface. Sulfuric acid also has several chemical processing applications, such as in the production of detergents, plastics, and explosives. Moreover, sulfur is also used in the vulcanization process of rubber.

The global sulphur market is expected to experience significant growth in the forecast period, with North America and Europe being the prominent regions with increasing demand. The APAC region is also expected to have substantial growth, driven by the rising demand for sulphur fertilizers in countries such as India and China. China, in particular, is projected to lead the market as the highest sulphur consuming country in the world, with a massive infrastructure and manufacturing boom driving the demand for sulphur in industries such as chemicals, steel, and agriculture. The USA is also expected to witness a steady rise in demand due to increasing use of sulphur in fracking operations.

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### Executive Summary

The global Betaine market is expected to witness significant growth in the forecast period due to its wide range of applications in various industries such as food and beverages, personal care, animal feed, and pharmaceuticals. Betaine, also known as trimethylglycine, is a natural compound derived from sugar beets, wheat, and other sources. The market size for Betaine is projected to reach USD 5.6 billion by 2030, growing at a CAGR of 6.2% from 2023 to 2030.

The increasing consumer awareness regarding the health benefits of betaine, such as improved digestion, liver function, and cardiovascular health, is driving the market growth. Additionally, the rising demand for functional and fortified foods and beverages is further fueling the market expansion. Betaine is widely used as a nutritional supplement, flavor enhancer, and ingredient in personal care products due to its moisturizing and conditioning properties.

The market for Betaine is highly competitive, with several key players operating globally. Some of the major companies in the market include DuPont, BASF SE, Solvay, Nutreco, Kao Corporation, American Crystal Sugar Company, and Amino GmbH. These companies are actively involved in research and development activities to develop innovative products and expand their market presence.

DuPont, a leading player in the Betaine market, offers betaine products under the brand name

NATREON® Betaine. DuPont's sales revenue in the Nutrition & Biosciences segment, which includes betaine, was \$6.44 billion in 2020. BASF SE, a chemical company, provides betaine products under the brand name TruBet™. Solvay, a global specialty chemicals company, offers betaine products under the brand name Betawell®. Nutreco, a leading animal nutrition and aquafeed company, provides betaine products under the brand name Selko®. Kao Corporation, a multinational consumer goods company, offers betaine products under the brand name AMILITE™.

Betaine finds extensive application in the food and beverage industry as a flavor enhancer, natural sweetener, and stabilizer. It is used in various products such as baked goods, beverages, sauces, and dressings. In the personal care industry, betaine is used in skincare, haircare, and oral care products due to its moisturizing and conditioning properties. It is also used in pharmaceuticals as an active ingredient in medicines and supplements.

The Asia Pacific region is expected to dominate the Betaine market, driven by the growing population, changing dietary habits, and increasing disposable income. China and India are major contributors to the regional market growth. North America and Europe are also significant markets for Betaine, supported by the rising demand for functional foods and beverages and the increasing focus on personal care products. The market share percentage valuation of Asia Pacific in the Betaine market is estimated to be around 40%, followed by North America with approximately 25% and Europe with around 20%.

Other regions such as Latin America and the Middle East & Africa are projected to witness substantial growth in the Betaine market due to the growing awareness about the health benefits of betaine and the increasing adoption of functional ingredients in various industries. The market share percentage valuation of Latin America and the Middle East & Africa in the Betaine market is estimated to be around 8% and 7%, respectively.

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### Executive Summary

The global Fullerene market is expected to experience significant growth in the forecast period due to its diverse range of applications in various industries such as electronics, energy, healthcare, and automotive. Fullerene, also known as buckminsterfullerene or C60, is a unique carbon molecule with a hollow sphere structure. The market size for Fullerene is projected to reach USD 1.2 billion by 2030, growing at a CAGR of 8.5% from 2023 to 2030.

The increasing demand for advanced materials with exceptional properties, such as high electrical conductivity, heat resistance, and strength, is driving the market growth. Fullerene is widely used in electronics for developing nanoscale devices, solar cells, and sensors. In the energy sector, Fullerene-based materials are utilized for energy storage, fuel cells, and photovoltaic applications. The healthcare industry also employs Fullerene in drug delivery systems, diagnostic tools, and cancer therapies.

The market for Fullerene is highly competitive, with several key players operating globally. Some of the major companies in the market include SES Research Inc., Nano-C Inc., BuckyUSA, MER Corporation, and Tokyo Chemical Industry Co., Ltd. These companies are actively involved in research and development activities to enhance the properties and applications of Fullerene and meet the evolving market demands.

SES Research Inc., a prominent player in the Fullerene market, offers various Fullerene products under the brand name SES Research Fullerenes. Nano-C Inc., a leading producer of carbon nanotubes and Fullerene derivatives, provides Fullerene products under the brand name Nano-C Fullerene. BuckyUSA offers Fullerene-based products under the brand name BuckyNano™. MER Corporation specializes in the manufacturing of Fullerene materials and offers products under the brand name MER®. Tokyo Chemical Industry Co., Ltd. supplies Fullerene materials and derivatives under the brand name TCI-Fullerene.

Fullerene finds extensive application in the electronics industry, where it is utilized for developing next-generation devices such as transistors, sensors, and memory devices. In the energy sector, Fullerene-based materials are employed in advanced batteries, supercapacitors, and solar cells. The healthcare industry utilizes Fullerene for drug delivery systems, imaging agents, and anticancer therapies. Additionally, Fullerene has applications in the automotive industry for enhancing fuel efficiency and reducing emissions.

The Asia Pacific region is expected to dominate the Fullerene market, driven by the presence of key electronics manufacturers and the growing demand for energy storage solutions. China and Japan are major contributors to the regional market growth. North America and Europe are also significant markets for Fullerene, supported by the increasing adoption of advanced materials in various industries. The market share percentage valuation of Asia Pacific in the Fullerene market is estimated to be around 40%, followed by North America with approximately 30% and Europe with around 20%.

Other regions such as Latin America and the Middle East & Africa are projected to witness substantial growth in the Fullerene market due to the increasing focus on renewable energy sources and the growing healthcare sector. The market share percentage valuation of Latin America and the Middle East & Africa in the Fullerene market is estimated to be around 5% and 4%, respectively.

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