

# Market Analysis: Lead Free Brass Rod Market, Aerospace Sealants Market, Lysine Market forecast for period from 2023-2030

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SEATTLE, WASHINGTON, USA, June 29, 2023 /EINPresswire.com/ -- Executive Summary:

The global Lead Free Brass Rods market is expected to grow at a CAGR of 6.50% during the forecast period. The primary factor driving the market growth is the rising global demand for environment-friendly products, particularly in the construction and plumbing industries. The lead-free brass rods offer several advantages such as better corrosion resistance, high durability, and low maintenance cost. The Asia-Pacific region is expected to witness significant growth due to the increasing infrastructure development activities in emerging economies such as China and India. The global Lead Free Brass Rods market size is estimated to reach USD 2.50 billion by 2030.

The global lead free brass rods market is highly competitive, with key players operating across different regions. Mitsubishi Materials Corporation, SAN-ETSU, Ningbo Jintian Copper, Powerway Alloy, Mueller Industries, DAECHANG, Hailiang, Guodong Copper, SUZHOU CHANG LE COPPER, and Shree Extrusions are the prominent companies contributing to the growth of the lead-free brass rod market. These companies are engaged in the manufacturing, production, and distribution of lead-free brass rods, which are extensively used in various applications such as plumbing fixtures, valves, and electrical components.

These companies have contributed significantly to the growth of the lead-free brass rod market by producing high-quality products and meeting the ever-growing demand for such products. As per the revenue figures available on their official websites, the sales revenue figures of some of these companies are:

- Mitsubishi Materials Corporation: JPY 1,601 billion (fiscal year 2020)
- Mueller Industries: USD 2.4 billion (fiscal year 2019)
- Hailiang: CNY 18.9 billion (fiscal year 2020)

Lead Free Brass Rods are gaining popularity in the market today because of environmental concerns. Various types of lead-free brass rods are available in the market, and some of these include Cu-Zn-Bi, Cu-Zn-Si, Cu-Zn-Sb, and others. Cu-Zn-Bi is a type of lead-free brass rod that is specifically designed for hot forging applications. This type of brass rod offers several benefits, such as improved formability, excellent ductility, and high resistance to corrosion.

Lead Free Brass Rods are extensively used in the Electrical and Telecommunications, Transportation, Bathroom, Drinking Water Engineering, and various other applications. In the electrical and telecommunications industry, lead-free brass rods are used for the production of connectors, clamps, and bases. The transportation industry uses these rods in the manufacturing of automotive fittings and fasteners. In the bathroom industry, lead-free brass rods are used for faucet handles, sink fixtures, and valve stems, while in drinking water engineering, they are used in the installation of pipelines and fittings. The fastest-growing application segment of lead-free brass rods, both in terms of revenue and utilization, is the drinking water engineering industry, due to the rising global demand for safe drinking water systems.

The lead-free brass rods market is expected to witness significant growth across all regions, including North America, Asia-Pacific, Europe, USA, and China. The rise in demand for lead-free products owing to the harmful effects of lead on the human body is leading to the increased adoption of lead-free brass rods, especially in the construction and plumbing industries. North America and Europe are expected to dominate the market owing to the implementation of stringent regulations against the use of lead in manufacturing processes. The Asia-Pacific region, led by China, is also projected to witness significant growth due to the increasing adoption of lead-free brass rods in various applications such as electrical equipment and automotive components.

Click here for more information: <https://www.reportprime.com/lead-free-brass-rods-r142>

#### Executive Summary:

The aerospace sealants market is expected to grow at a CAGR of 9.00% from 2023 to 2030. The market is anticipated to reach USD 1235.80 billion by 2030, driven by increased demand for commercial and military aircraft, rising usage of lightweight materials, and growing need for fuel-efficient aircraft. The development of advanced sealants that provide enhanced durability, corrosion resistance, and thermal stability is also expected to boost market growth. North America holds the largest share of the aerospace sealants market, while the Asia-Pacific region is forecast to grow at the highest rate due to increasing investments in aircraft manufacturing.

The global aerospace sealants market is highly competitive with the presence of several key players including PPG Industries, 3M, Flamemaster, Chemetall, HB Fuller, Dow, Henkel, Permatex, Master Bond, Solvay, and AVIC. These companies offer a wide range of aerospace sealants for various applications in the aerospace industry, such as structural bonding, sealing,

and coating.

PPG Industries and 3M are the leading players in the market, having a significant share in the revenues generated by the aerospace sealants market. PPG Industries is a global supplier of coatings, sealants, and adhesives for the aerospace industry. The company's aerospace sealants are used for a variety of applications, including fuel tanks, windows, and doors. In 2020, PPG Industries reported net sales of \$13.8 billion.

Polysulfide sealants are a type of aerospace sealant that is known for its high resistance to fuel and hydraulic fluids. These sealants are also ideal for applications that require flexibility and elongation, making them a popular choice for sealing fuel tanks, aircraft windows, and other vital components. Polythioether sealants are another type of aerospace sealant that is characterized by its excellent chemical resistance, low moisture absorption, and high strength. These sealants are capable of withstanding extreme temperatures and are used in a variety of aerospace applications, including bonding and sealing metal and composite structures.

Aerospace sealants are vital components used in aerospace manufacturing and aftermarket to prevent leaks, corrosion, noise, and vibration. Aerospace sealants are used in various applications, including sealing aircraft fuel tanks, windows, doors, and airframe structures. Aerospace sealants provide superior adhesion, chemical and environmental resistance, and long-lasting durability, making them ideal for aerospace applications. Aerospace sealants are also used in the aerospace aftermarket for repairs and maintenance of aircraft components, ensuring optimal performance and safety.

North America is expected to dominate the aerospace sealants market due to the presence of major aerospace manufacturers and the increasing demand for lightweight aircraft. North America is projected to hold the largest market share of around 40% in the global aerospace sealants market.

In terms of the expected market share in different regions, the Asia Pacific (APAC) region is anticipated to witness the fastest growth in the aerospace sealants market during the forecast period. The APAC region is expected to hold a significant market share of around 25%. The growth in this region can be attributed to the increasing investments by major aerospace companies, rising disposable incomes, and the growing number of air passengers.

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Executive Summary:

The global lysine market is expected to grow at a CAGR of 5.70% during the forecast period (2023-2030), driven by the increasing demand for animal protein, especially in developing countries. Lysine is an essential amino acid used as a feed additive in animal nutrition to improve growth, health, and performance. It is also used in the food industry as a flavor

enhancer and as a dietary supplement in human nutrition. The major players in the lysine market are Ajinomoto Co., Inc., Archer Daniels Midland Company, CJ CheilJedang Corp., Global Bio-Chem Technology Group Company Limited, and Evonik Industries AG. The market size of the global lysine market was valued at USD 4.80 billion in 2030.

Lysine is a significant amino acid that is widely used in animal feed. The lysine market is highly competitive, with a few major players dominating the market. The primary companies operating in the lysine market include Ajinomoto, CJ, ADM, Evonik Industries AG, Global Bio-chem Technology Group Company Ltd., Ningxia Eppen Biotech, Meihua Group, and the Chengfu Group.

Ajinomoto, CJ, and Evonik Industries AG are the leading players in the lysine market, accounting for a significant market share. In 2019, Ajinomoto reported sales revenue of \$18.3 billion, while CJ reported sales revenue of \$13.4 billion. Evonik Industries AG reported sales revenue of \$15.3 billion, along with a significant market share in the lysine market.

Lysine is an essential amino acid that has a significant role in protein synthesis and various metabolic functions. Lysine chloride and lysine sulfate are the two most common types of lysine used in animal feed for its nutritional benefits. Lysine chloride is a salt form of lysine, which is highly soluble and easily digestible. It is commonly used in poultry and swine diets to balance amino acid profiles and improve animal growth and feed utilization. On the other hand, lysine sulfate is a less soluble form of lysine that has a higher lysine content per unit weight. It is primarily used in ruminant diets because of its lower bioavailability in monogastric animals.

Lysine is an essential amino acid that is required for the healthy growth and development of both animals and humans. In the animal feed industry, lysine is added to feed formulations to supplement the diets of livestock such as pigs, poultry, and fish. This supplementation helps to improve the growth rates and overall health of the animals. In the food industry, lysine is used as a food additive to enhance the nutritional value of processed foods. It is also used in healthcare products as a dietary supplement to support healthy immune function and tissue repair. Lysine has various applications in different industries, and its usage varies depending on the intended purpose. However, the fastest-growing application segment in terms of revenue is the animal feed industry, as the demand for meat products continues to increase globally.

The global Lysine market has seen significant growth in recent years, with the market expected to continue its expansion in the coming years. North America and Europe have traditionally been the dominant regions in the market, but the Asia-Pacific and China markets are expected to see substantial growth in the coming years due to increasing demand for animal protein and rising disposable income. The United States is the largest producer of Lysine while China is also a significant contributor in terms of production and consumption. Overall, the global Lysine market is expected to show a CAGR of around 6% from 2020 to 2025.

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