Market Analysis on Isophthalonitrile (INP) market and Medium-density Fiberboard market forecasted till 2030

Market Analysis on Isophthalonitrile (INP) market, L-(+)-Ergothioneine (CAS 58511-63-0) market and Medium-density Fiberboard market forecasted till 2030

SEATTLE , WASHINGTON, USA, July 11, 2023 /EINPresswire.com/ -- Executive Summary:
The global Isophthalonitrile (INP) market size is predicted to reach USD 670.70 Million by 2030, expanding at a CAGR of 5.50% during the forecast period. Increased demand for high-performance polymers and resins and the growing use of INP in the production of plasticizers, adhesives, and coatings are key factors driving market growth. Asia-Pacific dominates the market owing to the rising demand for INP in the automotive and construction industries. Major players in the INP market include BASF SE, Jiangsu Danhua Group Co., Ltd., and Toray Industries, Inc.

The global Isophthalonitrile (INP) market is highly competitive with several major players operating in the market. Some of the key players in the market are Mitsubishi Gas Chemical, CAC Group, Suli, Syngenta, SDS Biotech, Sipcam-Oxon, Showa Denko, Jiangsu Weunite Fine Chemical, and others.

These companies help to grow the Isophthalonitrile (INP) market by offering high-quality products and innovative solutions to the customers. They also invest heavily in research and development and engage in strategic partnerships and collaborations to expand their presence in the market.

Sales revenue figures of a few of the above-listed companies are:

- Mitsubishi Gas Chemical – $4.8 billion (2019)

- Syngenta – $13.4 billion (2019)

- Showa Denko – $9.2 billion (2019)

Isophthalonitrile (INP) is a versatile organic compound that is used in the production of high-performance polymers such as aramids, polyester resins, and engineering thermoplastics. There are two main types of INP available in the market - 98% purity and 99% purity. The 98% purity INP is commonly used in the manufacturing of polyester resins, while the 99% purity INP is used

in the production of high-performance polymers.

Isophthalonitrile (INP) is a versatile chemical compound with various applications ranging from synthesis of m-xylylenediamine (MXDA) to the production of pesticides. The main application of INP is in the synthesis of MXDA, which is a key component in the production of epoxy resins. The INP reacts with formaldehyde and subsequently with m-xylylenediamine to form the final product. Pesticides containing INP are used in agriculture to kill insects and pests, as well as for the control of diseases in plants.

The Isophthalonitrile (INP) market is expected to experience steady growth in North America, Europe, and Asia Pacific regions due to an increase in demand for high-performance materials in various industries such as automotive, aerospace, electronics, and others. The USA is expected to witness significant growth owing to the adoption of advanced technology and favorable government initiatives. China is also expected to grow rapidly due to the presence of a large manufacturing base and increasing investments in infrastructure. The Asia Pacific region is expected to dominate the market due to increasing demand for high-performance materials and the growth of end-use industries. The European market is also expected to grow steadily due to technological advancements and increasing investments in R&D.

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Executive Summary
The L-(+)-Ergothioneine market research report indicates that the market is expected to grow due to an increased understanding of the compound's potential medicinal and cosmetic benefits. The global market is forecasted to reach USD 72.00 million by 2030, with a CAGR of 29.88% from 2023 to 2030. The report highlights the growing demand for L-(+)-Ergothioneine in the personal care and cosmetic industry, as well as the increasing application in the pharmaceutical and nutraceutical sector for its antioxidant and anti-inflammatory properties. The report also identifies the key players in the market, including EGT Group, Hamilton Company, and Ginanoid Health Co. Ltd.

The L-(+)-Ergothioneine (CAS 58511-63-0) market is competitive and primarily dominated by a few key players. These companies use L-(+)-Ergothioneine in various applications, including food and beverages, dietary supplements, cosmetics, and pharmaceuticals.

Tetrahedron is a leading supplier of L-(+)-Ergothioneine, offering high-quality products to several industries. The company provides the compound for use in pharmaceuticals, cosmetic products, and food supplements. Mironova Labs is another key player in the market, offering L-(+)-Ergothioneine for the cosmetics industry as a potent antioxidant and a skin whitening agent.

Blue California is another player in the L-(+)-Ergothioneine market, providing the compound for use in the food and beverage industry as well as in personal care products. The company uses the compound primarily as an antioxidant, adding it to food products such as baked goods,

beverages, and confectionery items.

These companies have been integral in driving the growth of the L-(+)-Ergothioneine market, as demand for the compound continues to rise across various industries.

Tetrahedron reported sales revenue of $10-25 million, while Mironova Labs reported sales revenue of $1-5 million in the L-(+)-Ergothioneine market. Blue California's sales revenue figures for L-(+)-Ergothioneine were not publicly available. Overall, these companies and others in the L-(+)-Ergothioneine market are expected to continue driving growth as demand for the compound increases across various industries.

L-(+)-Ergothioneine (CAS 58511-63-0) is an amino acid derivative and a potent antioxidant that occurs in various mushrooms, bacteria, and algae. To meet the growing demand for L-(+)-Ergothioneine in the market, there are three main types of production methods. These are biosynthesis, chemical synthesis, and biological fermentation. Biosynthesis involves the use of recombinant microorganisms to produce L-(+)-Ergothioneine. Chemical synthesis involves the chemical reaction of ergothioneine with methyl iodide. On the other hand, biological fermentation involves the use of microorganisms such as fungi, bacteria, and yeast to produce L-(+)-Ergothioneine.

L-(+)-Ergothioneine (CAS 58511-63-0) is an antioxidant that is commonly used in the medical and cosmetic industries. In the medical field, it is used to treat various conditions including cardiovascular disease, cancer, and neurodegenerative disorders. In cosmetics, it is used as an anti-aging ingredient to protect the skin from UV-induced damage, oxidative stress, and inflammation. In the food industry, L-(+)-Ergothioneine is added to various supplements and functional foods to enhance their nutritional value.

The fastest growing application segment for L-(+)-Ergothioneine is in the cosmetic industry, due to the increasing demand for anti-aging products and the growing awareness of the harmful effects of UV radiation on the skin. In terms of revenue, the medical industry is the largest consumer of L-(+)-Ergothioneine due to its therapeutic properties.

The Asia Pacific region is expected to dominate the L-(+)-Ergothioneine market during the forecast period due to the growing demand for dietary supplements and functional foods in countries like China and India. The report also predicts that North America and Europe will also contribute significantly to the market share of L-(+)-Ergothioneine. The expected market share of L-(+)-Ergothioneine in the Asia Pacific region is approximately 40%, in North America, it is 30%, while in Europe, it is 25%. Other regions such as South America and the Middle East & Africa are expected to have a comparatively smaller market share.

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Executive Summary

The Medium-density Fiberboard (MDF) market research reports have indicated that the global market is experiencing significant growth due to its increasing demand from various sectors such as furniture manufacturing, construction, and interior designing. The market size of MDF in 2022 was estimated at around $28.00 billion and is expected to reach $39.00 billion by 2030. The ongoing trend of using sustainable and eco-friendly materials has also positively impacted the demand for MDF. Moreover, the Asia-Pacific region is anticipated to be the fastest-growing market due to the growth in the construction sector, increasing urbanization, and rising disposable incomes.

The medium-density fiberboard market is highly competitive and dominated by several major players. Kronospan, M&P Kaindl, Arauco, Duratex SA, Swiss Krono Group, Nelson Pine, MASISA, Sonae Arauco, Kastamonu Entegre, Finsa, Yildiz Entegre, Egger, Pfleiderer, Norbord, Georgia-Pacific Wood Products, Swedspan, Dongwha, Yonglin Group, Furen Group, DareGlobal Wood, and Quanyou are among the key companies operating in the market.

These companies are extensively using medium-density fiberboard in various applications, primarily in furniture and construction. The furniture segment is the major end-use of medium-density fiberboards, with the construction industry growing rapidly, there is an increased demand for the product in this sector as well.

Kronospan is a leading supplier of medium-density fiberboard products and offers a wide range of solutions for furniture, flooring, and construction. In 2020, the company reported a sales revenue of € 4.0 billion. Arouco is another major player in the market, providing high-quality medium-density fiberboard products globally. The company reported a sales revenue of USD 1.7 billion in 2020.

Medium-density fiberboard (MDF) is a composite wood product made of wood fibers and resin. MDF is popular because of its versatility, durability, and affordability. There are three types of MDF available in the market: Fire-rated MDF, Moisture-resistant MDF, and General MDF.

Fire-rated MDF is a type of MDF designed to meet fire safety regulations. It is treated with fire retardants that make it difficult to ignite, slow down the spread of fire, and prevent the release of toxic gases. Fire-rated MDF is widely used in commercial buildings, schools, hospitals, and other public spaces. Moisture-resistant MDF is another specialized type of MDF that is treated with waterproofing agents to prevent swelling, warping, and decay caused by exposure to moisture. Moisture-resistant MDF is suitable for use in kitchens, bathrooms, and other areas with high humidity levels. General MDF is the standard type of MDF that is used in a wide range of applications, including furniture, cabinetry, moldings, and decorative panels.

Medium-density fiberboard (MDF) is widely used in the furniture industry because it is easy to work with, has a smooth surface, and is available in various thicknesses. MDF can be used to make chairs, tables, bookshelves, cabinets, and many other furniture items. It is also used as a

building material for construction purposes, as it is durable and has good strength. In interior decoration, MDF is used for wall paneling, flooring, and ceiling tiles. MDF is also used in other applications such as packaging and automotive interiors.

Asia Pacific is expected to dominate the medium-density fiberboard (MDF) market in the coming years. The region is expected to witness significant growth due to the increasing demand for MDF in the construction and furniture industries. North America and Europe are also expected to hold a considerable share of the market, driven by the growing trend of sustainable and eco-friendly building and furniture materials.

As per the report, the Asia-Pacific region is expected to hold the largest market share of the MDF market, with a projected valuation of USD 16.3 billion by 2025. North America and Europe are also expected to witness substantial growth, with a market share of 23.7% and 21.2%, respectively, by 2025.

Other regions, such as South America, the Middle East, and Africa, are also expected to contribute to the growth of the MDF market. However, their market share is expected to be comparatively smaller than that of Asia-Pacific, North America, and Europe.

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