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SEATTLE , WASHINGTON, USA, June 29, 2023 /EINPresswire.com/ -- Executive Summary:
The global helium gas market is expected to grow at a CAGR of 4.90% over the forecast period 2023-2030. The growth can be attributed to the increasing demand for helium gas in numerous applications such as MRI, welding, semiconductor manufacturing, and others. Additionally, the rising demand from various end-user industries such as healthcare, aerospace, automotive, and electronics is driving the market growth. North America is the largest market for helium gas, followed by Europe and Asia-Pacific. The market is highly fragmented with several players operating in the industry. Some of the key market players include Air Liquide, Air Products and Chemicals Inc., Linda Gas Group Co. Ltd. and Praxair Inc.

The global helium gas market is highly competitive with the presence of several key players. The major players operating in the market include Rasgas (Qatar), Exxon (US), Linde (US, Australia), Air Product (US), Praxair (US), Air Liquide (Algeria), Gazprom (Russia), and PGNiG (Poland).

The Linde Group reported sales revenue of $28.75 billion in 2020, while Air Liquide reported sales revenue of €20.5 billion in the same year. Praxair reported sales revenue of $11.3 billion in 2020, and Air Products reported sales revenue of $8.93 billion in the same year.

Helium is a chemical element that exists in both liquid and gaseous forms. Liquid helium is the colder version of the gas and is an essential element that is used in numerous applications such as welding, mercury emission lamps, nuclear reactors, and MRI machines. It is a valuable commodity in the industry, and its scarcity has led to some concerns about future supply levels. Gaseous helium, on the other hand, has more of a role in consumers' day-to-day lives, such as in balloon inflation, diving, and airships.

Helium gas has various applications in different industries. It is majorly used in cryogenics, where it is used as a coolant in MRI machines, nuclear magnetic resonance instruments, and particle accelerators. It is also used in aerostatics, where it is used in balloons and airships. In the semiconductor and fiber optics industry, helium is used for purging and cooling during the fabrication process. Helium gas is also used in leak detection and gas chromatography due to its

inertness and low boiling point. In welding, it is used as a shielding gas to protect the metal from atmospheric contaminants. Other applications of helium include breathing mixtures for deep-sea diving, as a lifting gas for rockets, and as a coolant for nuclear reactors.

The global helium gas market is expected to witness significant growth across various regions, including North America, Asia-Pacific (APAC), Europe, the United States of America (USA), and China. North America is expected to dominate the market, owing to the substantial increase in demand for helium gas from various end-use sectors, such as aerospace, cryogenics, and healthcare. The APAC region is expected to be the fastest-growing market due to the rise in manufacturing activities and increasing demand for electronic products. Europe is also anticipated to witness significant growth due to the increase in demand for helium gas from the glass manufacturing industry. The USA and China are expected to contribute significantly to the growth of the market due to the rise in demand for helium gas from the semiconductor industry.

Click here for more information: https://www.reportprime.com/helium-gas-r154

Executive Summary:
The Hindered Amine Light market research report analyses the current market scenario and predicts future growth opportunities based on industry trends. The market size is expected to grow at a CAGR of 4.70% from 2023 to 2030, with expected revenue of USD 1.90 billion byStabilizers 2030. The market growth is driven by increasing demand for Hindered Amine Light Stabilizers in the plastics and rubber industries for UV and heat stabilization. The Asia Pacific region is expected to dominate the market due to rising demand from end-use industries in China, India, and South Korea.

The global Hindered Amine Light Stabilizers (HALS) market is highly competitive, with companies such as BASF, Sabo SpA, Solvay, Clariant, ADEKA, and Addivant, leading the market. BASF is a prominent player in the market and offers a range of HALS products for various applications such as automotive, packaging, and coatings. Sabo SpA is another major player, providing HALS for applications such as polyolefins, PVC, and thermoplastic elastomers. Suqian Unitechem is a rapidly growing company, providing HALS for plastics, coatings, and adhesives.

Sales revenue figures for some of the above-listed companies are as follows:

- BASF: €14.53 billion in 2020

- Solvay: €9.26 billion in 2020

- Clariant: CHF 3.85 billion in 2020

- ADEKA: ¥153 billion in 2019

- Addivant: $1.15 billion in 2020

Hindered Amine Light Stabilizers (HALS) are chemical compounds that are used as stabilizers in the production of polymers and coatings. HALS is divided into three types: Polymeric type, Monomeric type, and Oligomeric type, and each type has its own distinct properties and benefits.

Polymeric type HALS is the most commonly used type of HALS and is widely known for its high stability, long service life, and excellent compatibility with polyolefins. Monomeric type HALS is used for transparent applications and is highly efficient in protecting against weathering and UV radiation. Oligomeric type HALS is used in applications that require low toxicity and is considered the most eco-friendly type of HALS.
Hindered Amine Light Stabilizers (HALS) are a class of additives that are widely used in the plastics, coatings, and adhesives industries. These additives are effective in protecting materials from the damaging effects of light, heat, and other environmental factors that can cause degradation and loss of physical properties.

In plastics, HALS are used to improve the durability of materials that are exposed to outdoor conditions, such as car parts, garden furniture, and electrical components. In coatings, they are used to protect surfaces from fading, chalking, and cracking caused by UV radiation. In adhesives, they are used to prevent yellowing and loss of strength caused by exposure to light and heat. The fastest growing application segment in terms of revenue is the plastics industry, where the demand for HALS is being driven by the growing use of polymer materials in various industries such as automotive, construction, and packaging, where UV protection is critical for long-term performance.

The Asia Pacific region is expected to dominate the Hindered Amine Light Stabilizers (HALS) market during the forecast period. This is due to increasing demand for HALS from various end-use industries such as automotive, packaging, and construction in the region. Additionally, the growth of the polymer industry in countries such as China, India, and Japan is also expected to boost the market growth.

The market share percentage valuation of HALS in the Asia Pacific region is expected to be around 35-40% by 2025. North America and Europe are also significant markets for HALS, with a market share percentage valuation of around 25-30% and 20-25%, respectively. Increasing demand for HALS in the automotive and construction industries in these regions is expected to drive market growth.

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Executive Summary:

The global dimethyl carbonate (DMC) market size was valued at USD 906.70 million in 2022 and is expected to grow at a CAGR of 6.80% from 2023 to 2030. DMC is widely used in the production of polycarbonates, solvents, pharmaceuticals, and pesticides due to its low toxicity and eco-friendly properties. The rising demand for DMC in the automotive and construction industries is expected to drive the market growth in the Asia Pacific region. However, the high production costs and raw material prices may hinder the market growth during the forecast period.

Dimethyl Carbonate (DMC) is a widely used chemical compound in various industrial applications, including pharmaceuticals, paints and coatings, adhesives, and electronics. The rising demand for eco-friendly industrial chemicals has led to the substantial growth of the Dimethyl Carbonate (DMC) market. Sales revenue of some of the companies:

- Sabic: USD 32.6 billion (2020)

- Mitsubishi Chemical: USD 34.6 billion (2020)

- LOTTE: USD 91.8 billion (2020)\

Dimethyl carbonate (DMC) is a clear, colorless, and flammable liquid that is widely used in different applications. The two types of Dimethyl Carbonate (DMC) are industrial grade and battery grade. Industrial grade DMC is used as a solvent, intermediate, and raw material in the production of polycarbonates, pharmaceuticals, agrochemicals, and flavors and fragrances. The battery grade DMC is used as an electrolyte in the manufacture of lithium-ion batteries for electric vehicles, consumer electronics, and energy storage systems. The battery grade DMC has high purity and low impurities, ensuring safer and healthier batteries.

Dimethyl carbonate (DMC) is a versatile chemical compound with numerous applications. In the polycarbonate industry, DMC is used as a raw material in the synthesis of bisphenol-A (BPA) which is used to produce polycarbonates. DMC is also used as a solvent in battery electrolytes, a solvent for various chemicals, a pesticide, and in the production of pharmaceuticals and cosmetic products. It is also used as a fuel additive and in the production of organic carbonates. In all these applications, DMC is known for its low toxicity, high reactivity, and low flammability.

The Asia-Pacific region is expected to dominate the Dimethyl Carbonate (DMC) market due to the rapid growth in various end-use industries such as paints and coatings, pharmaceuticals, and electronics in countries like China, India, and Japan. The region accounted for the largest market share of 60% in 2020. North America and Europe are also significant markets for DMC due to the rising demand for environment-friendly products, coupled with high investments in industries such as automotive, aerospace, and healthcare. These regions accounted for 20% and 15% of the market share, respectively, in 2020. Latin America and the Middle East and Africa are also emerging markets for DMC due to the increasing demand for various applications. These regions accounted for the remaining 5% of the market share in 2020.

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Amrita Pandey
Prime PR Wire
+1 951-407-0500
email us here