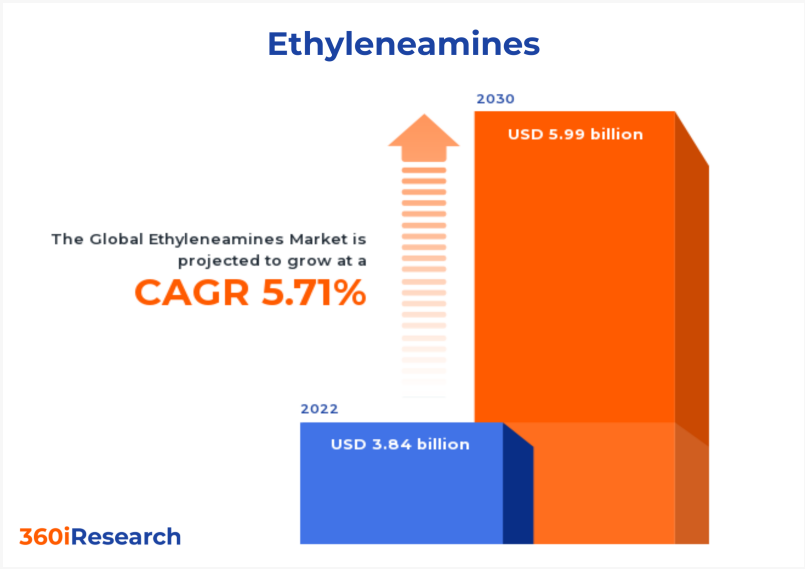
Ethyleneamines Market worth $5.99 billion by 2030, growing at a CAGR of 5.71% - Exclusive Report by 360iResearch

The Global Ethyleneamines Market to grow from USD 3.84 billion in 2022 to USD 5.99 billion by 2030, at a CAGR of 5.71%.



Ethyleneamines Market - Exclusive Report by 360iResearch

PUNE, MAHARASHTRA, INDIA, November 10, 2023 / EINPresswire.com/ -- The "Ethyleneamines Market by Type (Aminoethylpiperazine, Diethylenetriamine, Ethylenediamine), Application (Chelating Agents, Corrosion Inhibitors, Curing Agents), End-Use - Global Forecast 2023-2030" report has been added to 360iResearch.com's offering.

The Global Ethyleneamines Market to grow from USD 3.84 billion in 2022 to USD 5.99 billion by 2030, at a CAGR of 5.71%.

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Ethyleneamines refer to organic chemical compounds derived from ethylene and ammonia that exhibit unique properties such as high reactivity, low volatility, and diverse functionality due to their amine groups. The stringent regulations on vehicle emissions propel the need for fuel additives containing ethyleneamines. The rising global population demands enhanced agricultural productivity, which drives demand for ethyleneamine-derived agrochemicals. However, fluctuating raw material prices, particularly ethylene, impact production costs, leading to price volatility of ethyleneamines. Strict regulations imposed on chemical production due to environmental concerns may hinder product penetration worldwide. Nevertheless, technological advancements in manufacturing processes are enhancing production efficiency and reducing

costs associated with ethyleneamines. Moreover, ongoing research and development (R&D) to explore novel applications for ethyleneamines are expected to augment the demand for ethyleneamines in the coming years.

End-Use: Extensive use of ethyleneamines in production of adhesives, paints, and resins due to their excellent bonding properties
Ethyleneamines are extensively used in the formulation of adhesives, paints, and resins due to their ability to enhance adhesion properties, cure rates, and chemical resistance. In the agrochemical industry, ethyleneamines are employed as intermediates for producing chelating agents as a micronutrient in fertilizers. Ethyleneamines are indispensable in oilfield production chemicals such as corrosion inhibitors, demulsifiers, and H2S scavengers that ensure smooth exploration and extraction activities. The paper and pulp industry uses ethyleneamines mainly as wet-strength resins, facilitating enhanced paper quality with increased resistance to disintegration. In personal care products, ethyleneamines are employed as intermediates for fabric softeners, hair conditioning agents, and emulsifiers. Ethyleneamines function as emulsifiers, conditioners, and neutralizers in household and personal care products, including shampoos, soaps, and detergents. Ethyleneamines are crucial intermediates in synthesizing various active pharmaceutical ingredients (APIs) and have found applications in drug delivery systems due to their high reactivity and biocompatibility. Textile chemicals require ethyleneamines for dye-fixing agents and fabric softeners that enhance the durability and comfort of textiles. Ethyleneamines are essential in water and waste treatment formulations that help remove heavy metals through chelation, control algae growth, and inhibit corrosion across various industries, including power generation, wastewater management, and desalination plants.

Type: Proliferating usage of ethylenediamine across diverse end-use applications
Aminoethylpiperazine (AEP) is a versatile cyclic amine used in applications such as epoxy curing agents, polyamide resins, and lubricant additives due to its high reactivity and improved toughness compared to linear ethyleneamines. Diethylenetriamine (DETA) finds relevance in chelating agents, surfactants, and corrosion inhibitor segments. Diethylenetriamine offers superior metal ion sequestration properties compared to ethylenediamine. Ethylenediamine (EDA) is a linear diamine with broad applicability in the pharmaceuticals, agriculture, textiles, and plastics sectors. The low cost of ethylenediamine makes it preferable for large-scale uses, including chelating agents and polyamide resin production. Tetraethylenepentamine (TEPA) serves niche markets such as fuel additives manufacturing or resin systems requiring high flexibility due to its ability to offer superior anti-corrosion properties and fuel stabilization. Triethylenetetramine (TETA) has applications in curing agents, resins, and adhesives production. Triethylenetetramine's comparatively higher reactivity than DETA makes it suitable for faster-curing epoxy formulations.

Application: Growing use of ethyleneamines as chelating agents to prevent scale formation and corrosion
Ethyleneamines act as chelating agents by forming stable complexes with metal ions, preventing

scale formation, corrosion, and nutrient degradation. Corrosion inhibitors formulated with ethyleneamines protect metals from corrosive environments in oil & gas, water treatment, and automotive sectors. Ethyleneamine-based curing agents improve the performance of epoxy resins used in coatings, adhesives, construction materials, composites, and electronics industries. Fuel additives containing ethyleneamine derivatives enhance the performance of fuels by reducing emissions and improving combustion efficiency in the automotive and aviation industries. Ethyleneamines are intermediates in synthesizing active pharmaceutical ingredients (APIs) for various drugs, including antivirals, antibiotics, and anticancer agents. Processing aids and additives containing ethyleneamines enhance the properties of rubber, plastics, and other polymers across multiple industries such as packaging, automotive, and construction. Ethyleneamine-derived surfactants find applications in detergents, personal care products, textile auxiliaries, emulsion polymerization systems, and agrochemical formulations due to their excellent wetting and dispersing properties. Furthermore, in the textile industry, ethyleneamine-based additives serve as fabric softeners, dye-fixing agents, scouring agents, and water repellents.

Regional Insights:
The Americas represents a highly developing ethyleneamines market due to a well-established chemical industry, with vendors actively investing in research and development and capacity expansion. The expanding applicability of ethyleneamines in automotive, construction, pharmaceuticals, and personal care industries has significantly contributed to the growth of the ethyleneamines market. Europe, the Middle East, and Africa are major contributors to the global ethyleneamines market due to their advanced industrial infrastructure and a strong emphasis on innovation. The European chemical industry constantly seeks eco-friendly alternatives; therefore, ethyleneamine manufacturers focus on efficient production methods with minimal environmental impact. Asia-Pacific region is an emerging powerhouse for ethyleneamines consumption, with rapid industrialization and urbanization that demands various end-products associated with the automotive and construction sectors. As a result, several multinational corporations are investing in local manufacturing plants within this region to propel the availability of ethyleneamines in the Asia-Pacific.

FPNV Positioning Matrix:

The FPNV Positioning Matrix is essential for assessing the Ethyleneamines Market. It provides a comprehensive evaluation of vendors by examining key metrics within Business Strategy and Product Satisfaction, allowing users to make informed decisions based on their specific needs. This advanced analysis then organizes these vendors into four distinct quadrants, which represent varying levels of success: Forefront (F), Pathfinder (P), Niche (N), or Vital(V).

Market Share Analysis:

The Market Share Analysis offers an insightful look at the current state of vendors in the Ethyleneamines Market. By comparing vendor contributions to overall revenue, customer base,

and other key metrics, we can give companies a greater understanding of their performance and what they are up against when competing for market share. The analysis also sheds light on just how competitive any given sector is about accumulation, fragmentation dominance, and amalgamation traits over the base year period studied.

Key Company Profiles:

The report delves into recent significant developments in the Ethyleneamines Market, highlighting leading vendors and their innovative profiles. These include Akzo Nobel N.V., Alkyl Amines Chemicals Limited, Alliance Chemicals Limited, Amines & Plasticizers Limited, Arabian Amines Company, Ataman Kimya, Azelis Group, BASF SE, Cole-Parmer Instrument Company, LLC, Delamine B.V., DHALOP CHEMICALS, Diamines and Chemicals Ltd., Evonik Industries AG, Huntsman International LLC, LANXESS AG, Merck KGaA, Nouryon Chemicals Holding B.V., Oriental Union Chemical Corporation, Prasol Chemicals Limited, SABIC, Sadara Chemical Company, Saiper Chemicals Pvt. Ltd., Shandong Lianmeng Chemical Group Co.,Ltd., Shanghai Chemex group Co, Ltd., The Dow Chemical Company, Thermo Fisher Scientific Inc., Tokyo Chemical Industry Co., Ltd., Tosoh Corporation, and UTS Group.

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Market Segmentation & Coverage:

This research report categorizes the Ethyleneamines Market in order to forecast the revenues and analyze trends in each of following sub-markets:

Based on Type, market is studied across Aminoethylpiperazine, Diethylenetriamine, Ethylenediamine, Tetraethylenepentamine, and Triethylenetetramine. The Diethylenetriamine commanded largest market share of 32.55% in 2022, followed by Ethylenediamine.

Based on Application, market is studied across Chelating Agents, Corrosion Inhibitors, Curing Agents, Fuel Additives & Lube Oil, Pharmaceutical Intermediate, Processing Aids & Additives, Surfactants, and Textile Additives. The Chelating Agents commanded largest market share of 21.46% in 2022, followed by Corrosion Inhibitors.

Based on End-Use, market is studied across Adhesives, Paints, & Resins, Agrochemicals, Household & Personal Care, Oil & Gas, Paper & Pulp, Pharmaceuticals, Textile, and Water & Waste Water. The Adhesives, Paints, & Resins commanded largest market share of 20.99% in 2022, followed by Pharmaceuticals.

Based on Region, market is studied across Americas, Asia-Pacific, and Europe, Middle East & Africa. The Americas is further studied across Argentina, Brazil, Canada, Mexico, and United

States. The United States is further studied across California, Florida, Illinois, New York, Ohio, Pennsylvania, and Texas. The Asia-Pacific is further studied across Australia, China, India, Indonesia, Japan, Malaysia, Philippines, Singapore, South Korea, Taiwan, Thailand, and Vietnam. The Europe, Middle East & Africa is further studied across Denmark, Egypt, Finland, France, Germany, Israel, Italy, Netherlands, Nigeria, Norway, Poland, Qatar, Russia, Saudi Arabia, South Africa, Spain, Sweden, Switzerland, Turkey, United Arab Emirates, and United Kingdom. The Americas commanded largest market share of 38.02% in 2022, followed by Europe, Middle East & Africa.

Key Topics Covered:

The report provides insights on the following pointers:
1. Market Penetration: Provides comprehensive information on the market offered by the key players
2. Market Development: Provides in-depth information about lucrative emerging markets and analyzes penetration across mature segments of the markets
3. Market Diversification: Provides detailed information about new product launches, untapped geographies, recent developments, and investments
4. Competitive Assessment & Intelligence: Provides an exhaustive assessment of market shares, strategies, products, certification, regulatory approvals, patent landscape, and manufacturing capabilities of the leading players
5. Product Development & Innovation: Provides intelligent insights on future technologies, R&D activities, and breakthrough product developments

The report answers questions such as:
1. What is the market size and forecast of the Ethyleneamines Market?
2. Which are the products/segments/applications/areas to invest in over the forecast period in the Ethyleneamines Market?

3. What is the competitive strategic window for opportunities in the Ethyleneamines Market?
4. What are the technology trends and regulatory frameworks in the Ethyleneamines Market?
5. What is the market share of the leading vendors in the Ethyleneamines Market?
6. What modes and strategic moves are considered suitable for entering the Ethyleneamines Market?

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