

Global Hydrogen Cyanide Market Outlook to 2027

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Abstracts

Hydrogen Cyanide is also called formonitrile, a highly volatile, colorless, poisonous liquid with a bitter almond-like odor. The solution of hydrogen cyanide in water is called hydrocyanic acid or prussic acid. According to BlueQuark Research & Consulting, the global Hydrogen Cyanide market is expected to witness a significant growth rate during the forecasted period. Factors like increasing the use of Hydrogen Cyanide in the automotive industry, Hydrogen Cyanide is widely used in the manufacture of adiponitrile, is one of the most versatile engineering thermoplastics, owing to its excellent balance, mechanical strength, elasticity, and thermal resistance, expected to drive the global Hydrogen Cyanide market. Further, in the agriculture industry, it is commonly used as a critical biocontrol agent based on its significant toxicity against phytopathogenic agents to enhance growth production is projected to drive the Global Hydrogen Cyanide Market. Furthermore, Hydrogen Cyanide is used in the mining industry, and it is used to extract gold mines from ores are expected to drive the Global Hydrogen Cyanide Market. However, exposure to small amounts of cyanide compounds over long periods is reported to cause loss of appetite, headache, weakness, nausea, dizziness, and irritation of the upper respiratory tract and eyes, which is expected to hinder the future market growth of Hydrogen Cyanide.

Hydrogen Cyanide is used in the automotive industry to manufacture nylon 6,6, which substitutes metals. It is used commercially for fumigation, electroplating, mining, chemical synthesis, and the production of synthetic fibers, plastics, dyes, and pesticides. It is also used in the pharmaceutical industry.

The automotive industry is the most primary and vital consumer of Hydrogen Cyanide and is estimated to drive the global demand. Adiponitrile is used almost exclusively in the manufacturing process of hexamethylenediamine, of which over 92% is used to make versatile nylon 6,6 fibers and resins?, driving the Global Hydrogen Cyanide market. In 2021, the global auto market will boom ahead by 9% to 83.4 million units and

advance by another 5% in 2022 to 86.9 million units. All growth followed by another solid 4% in 2023 to 89.7 million units. Western and Central Europe sales will revive by 11.1% in 2021 to 15.25 million units and move up to 16.58 million units in 2023. ??Nylon 6,6 is an ideal substitute for metal in various applications. Furthermore, it is easy to modify nylon 6,6's properties using multiple fillers, fibers, internal lubricants, and impact modifiers, which is projected to drive the demand for the Hydrogen Cyanide market. The increasing Electric vehicle market has opened up new opportunities for the automotive industry, promoting the growth of Hydrogen Cyanide. Thus, the above factors have made the automotive sector a vital growth segment for the Global Hydrogen Cyanide market.

North America is on its way to becoming the global leader in the production and consumption of Hydrogen Cyanide, with most of the consumption in countries like the US and Canada. With a growing population and increasing income across countries, there has been an increased demand for the Automotive Industry, which is expected to drive the global Hydrogen Cyanide market. The demand for Hydrogen Cyanide is growing in the agriculture sector as consumers' needs evolve. Hydrogen Cyanide-based fertilizers improve crop yields, which helps the farmers generate more revenue through producing more crops, which is expected to drive the global Hydrogen Cyanide market. Due to increasing industrialization, cyanide leaching is used as dominant gold extraction selectively used to dissolve gold, increasing the demand for Hydrogen Cyanide. Hydrogen Cyanide is widely used for anti-hypertensive drugs in the pharmaceutical industry, driving the Global Hydrogen Cyanide Industry market. Therefore, the mentioned factors have made the Asia Pacific region vital for developing Hydrogen Cyanide.

Some of the market's key players are Evonik Industries AG, INEOS Group Ltd, Air Liquide S.A., Matheson Tri-Gas Inc., Ascend Performance Materials LLC, among others.

In February 2022, BASF will start marketing several polyamides (PA) and polyphthalamide (PPA) grades in Europe that it acquired as part of Solvay's PA66 business takeover. BASF and Solvay signed an agreement on the acquisition of Solvay's integrated polyamide business in September 2017.?

In June 2020, Invista Began to Work on a USD 1 Billion Adiponitrile Plant in China, capable of producing 400,000-tonnes per year; the Shanghai-based Adiponitrile facility is expected to cater to the growing demand of nylon 6,6 chemical intermediates in China and the Asia Pacific region.?

Global Hydrogen Cyanide Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Hydrogen Cyanide market by segmenting based on the By Type (Hydrogen Cyanide Liquid, Hydrogen Cyanide Gas), By Application (Adiponitrile, Acetone Cyanohydrin, Cyanuric Chloride, Others), By End User (Automotive, Agriculture, Mining, Others) and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers and includes emerging market trends, developments, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

Contents

1. Executive Summary

2. Research Scope and Methodology

- 2.1 Aim & Objective of the study
- 2.2 Market Definition
- 2.3 Study Information
- 2.4 General Study Assumptions
- 2.5 Research Phases

3. Market Analysis

- 3.1 Introduction
- 3.2 Market Dynamics
 - 3.2.1 Drivers
 - 3.2.2 Restraints
- 3.3 Market Trends & Developments
- 3.4 Market Opportunities
- 3.5 Feedstock Analysis
- 3.6 Trade Analysis
- 3.7 Price Trend Analysis
- 3.8 Supply Analysis
- 3.9 Regulatory Policies
- 3.10 Analysis of Covid-19 Impact

4. Industry Analysis

- 4.1 Supply Chain Analysis
- 4.2 Porter's Five Forces Analysis
 - 4.2.1 Competition in the Industry
 - 4.2.2 Potential of New Entrants into the Industry
 - 4.2.3 Bargaining Power of Suppliers
 - 4.2.4 Bargaining Power of Consumers
 - 4.2.5 Threat of substitute products

5. Market Segmentation & Forecast

- 5.1 By Type
 - 5.1.1 Hydrogen Cyanide Liquid
 - 5.1.2 Hydrogen Cyanide Gas

5.2 By Application

- 5.2.1 Adiponitrile
- 5.2.2 Acetone Cyanohydrin
- 5.2.3 Cyanuric Chloride
- 5.2.4 Others

5.3 By End User

- 5.3.1 Automotive
- 5.3.2 Agriculture
- 5.3.3 Mining
- 5.3.4 Pharmaceutical
- 5.3.5 Others

Regional Market Analysis

6.1 North America

- 6.1.1 United States
- 6.1.2 Canada
- 6.1.3 Mexico

6.2 Europe

- 6.2.1 Germany
- 6.2.2 United Kingdom
- 6.2.3 Italy
- 6.2.4 France
- 6.2.5 Spain
- 6.2.6 Rest of Europe

6.3 Asia-Pacific

- 6.3.1 China
- 6.3.2 India
- 6.3.3 Japan
- 6.3.4 South Korea
- 6.3.5 Rest of Asia-Pacific

6.4 South America

- 6.4.1 Brazil
- 6.4.2 Argentina
- 6.4.3 Rest of South America

6.5 Middle East & Africa

- 6.5.1 South Africa
- 6.5.2 Saudi Arabia
- 6.5.3 Rest of Middle East & Africa

Company Profiles

nik Industries AG
OS Group Ltd
liquide S.A.
neson Tri-Gas Inc.
end Performance Materials Operations LLC
lasthan Chemicals Company
Dow Chemical Company
ont
hi Kasei Corporation
ekwang Industry Co, Ltd.
eststar Adisseo
tachimie
ano Corporation
raray Co., Ltd
companies is not exhaustive

Competitive Landscape

of Notable Players in the Market
A, JV, and Agreements
ket Share Analysis
tegies of Key Players

Conclusions and Recommendations

List Of Tables

LIST OF TABLES

Global Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

North America Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

United States Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Canada Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Mexico Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Europe Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

United Kingdom Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Germany Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Other Supporting Charts

Italy Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

France Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Spain Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Rest of Europe Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

South America Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Brazil Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Argentina Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Rest of South America Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Asia-Pacific Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

China Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

India Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Japan Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

South Korea Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

ASEAN Countries Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Rest of Asia-Pacific Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Middle East & Africa Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Saudi Arabia Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

South Africa Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Rest of Middle-East & Africa Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Automotive - Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Agriculture - Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Mining - Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Pharmaceutical - Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Others - Hydrogen Cyanide Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

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