

# **Global Hydrogen Cyanide Market Size study & Forecast, by Structure Type (Hydrogen Cyanide Liquid, Hydrogen Cyanide Gas) by Application (Sodium Cyanide and Potassium Cyanide, Adiponitrile, Acetone Cyanohydrin, Other Applications), and Regional Analysis, 2023-2030**

<https://marketpublishers.com/r/G169E7E80359EN.html>

Date: May 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G169E7E80359EN

## **Abstracts**

Global Hydrogen Cyanide Market is valued approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. Hydrogen cyanide is primarily used in industrial processes, such as the production of synthetic fibers, plastics, and dyes. It is also used in the manufacturing of certain pharmaceuticals, fumigation agents, and pesticides. The Hydrogen Cyanide market is expanding because of factors such as growing usage in adiponitrile application, increasing the use of hydrogen cyanide in the automotive industry and rising gold extraction activities.

The market for hydrogen cyanide is being driven by the enormous demand to produce sodium cyanide and potassium cyanide. For the synthesis of carboxylic acids and nitriles, potassium and sodium cyanides are frequently utilized. However, these are primarily employed in the mining of gold and silver, as well as in the electroplating of these metals. Global production of gold and silver is continuously rising due to the rising investments in these precious metals. According to World Gold Council total gold mine production in year 2021 stood at 3,568.9 tones which increased to 3,611.9 tones in year 2022. Thus, rising gold products are fostering the market growth. Along with these, Numerous sectors, including the automotive, textile, and electronics industries, have seen a sharp increase in demand for nylon. As a result, it is anticipated that demand for adiponitrile would increase quickly along with the growing use of nylon. For instance,

the output of the textile industry in the United States reached USD 16.59 billion in 2021, a rise of 7.2% from the fourth quarter of 2020. In addition, huge demand for manufacturing of sodium cyanide and potassium cyanide and increasing government initiatives and investments in the textile sector is creating lucrative growth to the market. However, the high cost of Hydrogen Cyanide stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Hydrogen Cyanide Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 owing to the rising demand from gold extraction activities, rising automotive industry, and textiles industry in the region. Whereas, North America is projected to have significant growth owing to factors such as rising technological advancement, and the presence of key market players.

Major market players included in this report are:

Air Liquide

Ascend Performance Materials Private Limited

Evonik Industries AG

Hindusthan Chemicals Company

Matheson Tri-Gas Inc.

Sumitomo Chemical Co., Ltd.

Triveni Chemicals & Industries Ltd

INEOS Group Limited

Taekwang Industrial Co., Ltd.

Sterling Chemical and Alcohol Ltd

Recent Developments in the Market:

In July 2022, a study was done to find a green way to make sodium cyanide using hydrogen cyanide that was vacuum extracted from cassava leaves. In this investigation, sodium cyanide was extracted from cassava leaves after 120 minutes of maceration at 30 degrees Celsius and 45 minutes of recovery in a vacuum at 35 to 40 degrees Celsius. According to the study, hydrogen cyanide (HCN), which is derived from cassava leaves, was successfully used to produce sodium cyanide by saturating a sodium hydroxide-absorbing solution with it.

Global Hydrogen Cyanide Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Structure Type, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Structure Type offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Structure Type:

Hydrogen Cyanide Liquid

Hydrogen Cyanide Gas

By Application:

Sodium Cyanide and Potassium Cyanide

Adiponitrile

Acetone Cyanohydrin

Other Applications

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France  
Spain  
Italy  
ROE

Asia Pacific  
China  
India  
Japan  
Australia  
South Korea  
RoAPAC

Latin America  
Brazil  
Mexico

Middle East & Africa  
Saudi Arabia  
South Africa  
Rest of Middle East & Africa

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
  - 1.2.1. Hydrogen Cyanide Market, by Region, 2020-2030 (USD Billion)
  - 1.2.2. Hydrogen Cyanide Market, by Structure Type, 2020-2030 (USD Billion)
  - 1.2.3. Hydrogen Cyanide Market, by Application, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL HYDROGEN CYANIDE MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Industry Evolution
  - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL HYDROGEN CYANIDE MARKET DYNAMICS

- 3.1. Hydrogen Cyanide Market Impact Analysis (2020-2030)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Growing Usage in Adiponitrile Application
    - 3.1.1.2. Increasing the use of Hydrogen Cyanide in the automotive industry
    - 3.1.1.3. Rising gold extraction activities
  - 3.1.2. Market Challenges
    - 3.1.2.1. High Cost of Hydrogen Cyanide
    - 3.1.2.2. Highly Toxic Nature of Hydrogen Cyanide
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Huge Demand for Manufacturing of Sodium Cyanide and Potassium Cyanide
    - 3.1.3.2. Increasing government initiatives and investments in the textile sector

### CHAPTER 4. GLOBAL HYDROGEN CYANIDE MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
  - 4.3.4. Technological
  - 4.3.5. Environmental
  - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL HYDROGEN CYANIDE MARKET, BY STRUCTURE TYPE**

- 5.1. Market Snapshot
- 5.2. Global Hydrogen Cyanide Market by Structure Type, Performance - Potential Analysis
- 5.3. Global Hydrogen Cyanide Market Estimates & Forecasts by Structure Type 2020-2030 (USD Billion)
- 5.4. Hydrogen Cyanide Market, Sub Segment Analysis
  - 5.4.1. Hydrogen Cyanide Liquid
  - 5.4.2. Hydrogen Cyanide Gas

## **CHAPTER 6. GLOBAL HYDROGEN CYANIDE MARKET, BY APPLICATION**

- 6.1. Market Snapshot
- 6.2. Global Hydrogen Cyanide Market by Application, Performance - Potential Analysis
- 6.3. Global Hydrogen Cyanide Market Estimates & Forecasts by Application 2020-2030 (USD Billion)
- 6.4. Hydrogen Cyanide Market, Sub Segment Analysis
  - 6.4.1. Sodium Cyanide and Potassium Cyanide

- 6.4.2. Adiponitrile
- 6.4.3. Acetone Cyanohydrin
- 6.4.4. Other Applications

## **CHAPTER 7. GLOBAL HYDROGEN CYANIDE MARKET, REGIONAL ANALYSIS**

- 7.1. Top Leading Countries
- 7.2. Top Emerging Countries
- 7.3. Hydrogen Cyanide Market, Regional Market Snapshot
- 7.4. North America Hydrogen Cyanide Market
  - 7.4.1. U.S. Hydrogen Cyanide Market
    - 7.4.1.1. Structure Type breakdown estimates & forecasts, 2020-2030
    - 7.4.1.2. Application breakdown estimates & forecasts, 2020-2030
  - 7.4.2. Canada Hydrogen Cyanide Market
- 7.5. Europe Hydrogen Cyanide Market Snapshot
  - 7.5.1. U.K. Hydrogen Cyanide Market
  - 7.5.2. Germany Hydrogen Cyanide Market
  - 7.5.3. France Hydrogen Cyanide Market
  - 7.5.4. Spain Hydrogen Cyanide Market
  - 7.5.5. Italy Hydrogen Cyanide Market
  - 7.5.6. Rest of Europe Hydrogen Cyanide Market
- 7.6. Asia-Pacific Hydrogen Cyanide Market Snapshot
  - 7.6.1. China Hydrogen Cyanide Market
  - 7.6.2. India Hydrogen Cyanide Market
  - 7.6.3. Japan Hydrogen Cyanide Market
  - 7.6.4. Australia Hydrogen Cyanide Market
  - 7.6.5. South Korea Hydrogen Cyanide Market
  - 7.6.6. Rest of Asia Pacific Hydrogen Cyanide Market
- 7.7. Latin America Hydrogen Cyanide Market Snapshot
  - 7.7.1. Brazil Hydrogen Cyanide Market
  - 7.7.2. Mexico Hydrogen Cyanide Market
- 7.8. Middle East & Africa Hydrogen Cyanide Market
  - 7.8.1. Saudi Arabia Hydrogen Cyanide Market
  - 7.8.2. South Africa Hydrogen Cyanide Market
  - 7.8.3. Rest of Middle East & Africa Hydrogen Cyanide Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

- 8.1. Key Company SWOT Analysis

- 8.1.1. Company
- 8.1.2. Company
- 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
  - 8.3.1. Air Liquide
    - 8.3.1.1. Key Information
    - 8.3.1.2. Overview
    - 8.3.1.3. Financial (Subject to Data Availability)
    - 8.3.1.4. Product Summary
    - 8.3.1.5. Recent Developments
  - 8.3.2. Ascend Performance Materials Private Limited
  - 8.3.3. Evonik Industries AG
  - 8.3.4. Hindusthan Chemicals Company
  - 8.3.5. Matheson Tri-Gas Inc.
  - 8.3.6. Sumitomo Chemical Co., Ltd.
  - 8.3.7. Triveni Chemicals & Industries Ltd
  - 8.3.8. INEOS Group Limited
  - 8.3.9. Taekwang Industrial Co., Ltd.
  - 8.3.10. Sterling Chemical and Alcohol Ltd

## **CHAPTER 9. RESEARCH PROCESS**

- 9.1. Research Process
  - 9.1.1. Data Mining
  - 9.1.2. Analysis
  - 9.1.3. Market Estimation
  - 9.1.4. Validation
  - 9.1.5. Publishing
- 9.2. Research Attributes
- 9.3. Research Assumption



## List Of Tables

### LIST OF TABLES

TABLE 1. Global Hydrogen Cyanide Market, report scope

TABLE 2. Global Hydrogen Cyanide Market estimates & forecasts by Region  
2020-2030 (USD Billion)

TABLE 3. Global Hydrogen Cyanide Market estimates & forecasts by Structure Type  
2020-2030 (USD Billion)

TABLE 4. Global Hydrogen Cyanide Market estimates & forecasts by Application  
2020-2030 (USD Billion)

TABLE 5. Global Hydrogen Cyanide Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 6. Global Hydrogen Cyanide Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 7. Global Hydrogen Cyanide Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 8. Global Hydrogen Cyanide Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 9. Global Hydrogen Cyanide Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 10. Global Hydrogen Cyanide Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 11. Global Hydrogen Cyanide Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 12. Global Hydrogen Cyanide Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 13. Global Hydrogen Cyanide Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 14. Global Hydrogen Cyanide Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 15. U.S. Hydrogen Cyanide Market estimates & forecasts, 2020-2030 (USD  
Billion)

TABLE 16. U.S. Hydrogen Cyanide Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 17. U.S. Hydrogen Cyanide Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 18. Canada Hydrogen Cyanide Market estimates & forecasts, 2020-2030 (USD  
Billion)

TABLE 19. Canada Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 20. Canada Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21. UK Hydrogen Cyanide Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 22. UK Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 23. UK Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. Germany Hydrogen Cyanide Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 25. Germany Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 26. Germany Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. France Hydrogen Cyanide Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 28. France Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 29. France Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. Italy Hydrogen Cyanide Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 31. Italy Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 32. Italy Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Spain Hydrogen Cyanide Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 34. Spain Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 35. Spain Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. RoE Hydrogen Cyanide Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 37. RoE Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 38. RoE Hydrogen Cyanide Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 39. China Hydrogen Cyanide Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 40. China Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 41. China Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 42. India Hydrogen Cyanide Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 43. India Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 44. India Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 45. Japan Hydrogen Cyanide Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 46. Japan Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 47. Japan Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 48. South Korea Hydrogen Cyanide Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 49. South Korea Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 50. South Korea Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 51. Australia Hydrogen Cyanide Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 52. Australia Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 53. Australia Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 54. RoAPAC Hydrogen Cyanide Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 55. RoAPAC Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 56. RoAPAC Hydrogen Cyanide Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 57. Brazil Hydrogen Cyanide Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 58. Brazil Hydrogen Cyanide Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 59. Brazil Hydrogen Cyanide Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 60. Mexico Hydrogen Cyanide Market estimates & forecasts, 2020-2030 (USD  
Billion)

TABLE 61. Mexico Hydrogen Cyanide Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 62. Mexico Hydrogen Cyanide Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 63. RoLA Hydrogen Cyanide Market estimates & forecasts, 2020-2030 (USD  
Billion)

TABLE 64. RoLA Hydrogen Cyanide Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 65. RoLA Hydrogen Cyanide Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 66. Saudi Arabia Hydrogen Cyanide Market estimates & forecasts, 2020-2030  
(USD Billion)

TABLE 67. South Africa Hydrogen Cyanide Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 68. RoMEA Hydrogen Cyanide Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 69. List of secondary sources, used in the study of global Hydrogen Cyanide  
Market

TABLE 70. List of primary sources, used in the study of global Hydrogen Cyanide  
Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final  
deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Hydrogen Cyanide Market, research methodology
  - FIG 2. Global Hydrogen Cyanide Market, Market estimation techniques
  - FIG 3. Global Market size estimates & forecast methods
  - FIG 4. Global Hydrogen Cyanide Market, key trends 2022
  - FIG 5. Global Hydrogen Cyanide Market, growth prospects 2023-2030
  - FIG 6. Global Hydrogen Cyanide Market, porters 5 force model
  - FIG 7. Global Hydrogen Cyanide Market, pest analysis
  - FIG 8. Global Hydrogen Cyanide Market, value chain analysis
  - FIG 9. Global Hydrogen Cyanide Market by segment, 2020 & 2030 (USD Billion)
  - FIG 10. Global Hydrogen Cyanide Market by segment, 2020 & 2030 (USD Billion)
  - FIG 11. Global Hydrogen Cyanide Market by segment, 2020 & 2030 (USD Billion)
  - FIG 12. Global Hydrogen Cyanide Market by segment, 2020 & 2030 (USD Billion)
  - FIG 13. Global Hydrogen Cyanide Market by segment, 2020 & 2030 (USD Billion)
  - FIG 14. Global Hydrogen Cyanide Market, regional snapshot 2020 & 2030
  - FIG 15. North America Hydrogen Cyanide Market 2020 & 2030 (USD Billion)
  - FIG 16. Europe Hydrogen Cyanide Market 2020 & 2030 (USD Billion)
  - FIG 17. Asia pacific Hydrogen Cyanide Market 2020 & 2030 (USD Billion)
  - FIG 18. Latin America Hydrogen Cyanide Market 2020 & 2030 (USD Billion)
  - FIG 19. Middle East & Africa Hydrogen Cyanide Market 2020 & 2030 (USD Billion)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## I would like to order

Product name: Global Hydrogen Cyanide Market Size study & Forecast, by Structure Type (Hydrogen Cyanide Liquid, Hydrogen Cyanide Gas) by Application (Sodium Cyanide and Potassium Cyanide, Adiponitrile, Acetone Cyanohydrin, Other Applications), and Regional Analysis, 2023-2030

Product link: <https://marketpublishers.com/r/G169E7E80359EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G169E7E80359EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970