

Global Bio-based Pentamethylenediamine Market Growth 2026-2032

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Abstracts

The global Bio-based Pentamethylenediamine market size is predicted to grow from US\$ 23.31 million in 2025 to US\$ 34.36 million in 2032; it is expected to grow at a CAGR of 5.8% from 2026 to 2032.

Pentamethylene diamine (PDA), also known as 1,5-diaminopentane, is an important five-carbon monomer. It is a colorless, smoky liquid with an ammonia-like odor, which is easily soluble in water and ethanol. Bio-based Pentamethylenediamine uses renewable plant resources as raw materials to produce high-purity bio-based pentamethylenediamine through a specific biotransformation process.

Bio-based pentamethylenediamine effectively reduces the use of petroleum and other fossil raw materials, thereby reducing carbon emissions, in line with the global trend of green and environmental protection, and the future market will gradually expand.

LP Information, Inc. (LPI) ' newest research report, the "Bio-based Pentamethylenediamine Industry Forecast" looks at past sales and reviews total world Bio-based Pentamethylenediamine sales in 2025, providing a comprehensive analysis by region and market sector of projected Bio-based Pentamethylenediamine sales for 2026 through 2032. With Bio-based Pentamethylenediamine sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Bio-based Pentamethylenediamine industry.

This Insight Report provides a comprehensive analysis of the global Bio-based Pentamethylenediamine landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with

a focus on Bio-based Pentamethylenediamine portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Bio-based Pentamethylenediamine market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Bio-based Pentamethylenediamine and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Bio-based Pentamethylenediamine.

This report presents a comprehensive overview, market shares, and growth opportunities of Bio-based Pentamethylenediamine market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

0.995

0.999

Others

Segmentation by Application:

Textiles

Epoxy Resin Curing Agent

Organic Synthesis Intermediates

Pharmaceutical Intermediates

Pesticide Intermediates

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Cathay Biotech

Ningxia Eppen Biotech Co., Ltd

CJ BIO

Yangmei Chemical

Key Questions Addressed in this Report

What is the 10-year outlook for the global Bio-based Pentamethylenediamine market?

What factors are driving Bio-based Pentamethylenediamine market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Bio-based Pentamethylenediamine market opportunities vary by end market size?

How does Bio-based Pentamethylenediamine break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Bio-based Pentamethylenediamine Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for Bio-based Pentamethylenediamine by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for Bio-based Pentamethylenediamine by Country/Region, 2021, 2025 & 2032
- 2.2 Bio-based Pentamethylenediamine Segment by Type
 - 2.2.1 0.995
 - 2.2.2 0.999
 - 2.2.3 Others
 - 2.2.4 Bio-based Pentamethylenediamine Sales by Type
 - 2.2.4.1 Global Bio-based Pentamethylenediamine Sales Market Share by Type (2021-2026)
 - 2.2.4.2 Global Bio-based Pentamethylenediamine Revenue and Market Share by Type (2021-2026)
 - 2.2.4.3 Global Bio-based Pentamethylenediamine Sale Price by Type (2021-2026)
- 2.3 Bio-based Pentamethylenediamine Segment by Application
 - 2.3.1 Textiles
 - 2.3.2 Epoxy Resin Curing Agent
 - 2.3.3 Organic Synthesis Intermediates
 - 2.3.4 Pharmaceutical Intermediates
 - 2.3.5 Pesticide Intermediates
 - 2.3.6 Others
 - 2.3.7 Bio-based Pentamethylenediamine Sales by Application

2.3.7.1 Global Bio-based Pentamethylenediamine Sale Market Share by Application (2021-2026)

2.3.7.2 Global Bio-based Pentamethylenediamine Revenue and Market Share by Application (2021-2026)

2.3.7.3 Global Bio-based Pentamethylenediamine Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Bio-based Pentamethylenediamine Breakdown Data by Company

3.1.1 Global Bio-based Pentamethylenediamine Annual Sales by Company (2021-2026)

3.1.2 Global Bio-based Pentamethylenediamine Sales Market Share by Company (2021-2026)

3.2 Global Bio-based Pentamethylenediamine Annual Revenue by Company (2021-2026)

3.2.1 Global Bio-based Pentamethylenediamine Revenue by Company (2021-2026)

3.2.2 Global Bio-based Pentamethylenediamine Revenue Market Share by Company (2021-2026)

3.3 Global Bio-based Pentamethylenediamine Sale Price by Company

3.4 Key Manufacturers Bio-based Pentamethylenediamine Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Bio-based Pentamethylenediamine Product Location Distribution

3.4.2 Players Bio-based Pentamethylenediamine Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR BIO-BASED PENTAMETHYLENEDIAMINE BY GEOGRAPHIC REGION

4.1 World Historic Bio-based Pentamethylenediamine Market Size by Geographic Region (2021-2026)

4.1.1 Global Bio-based Pentamethylenediamine Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Bio-based Pentamethylenediamine Annual Revenue by Geographic

Region (2021-2026)

4.2 World Historic Bio-based Pentamethylenediamine Market Size by Country/Region (2021-2026)

4.2.1 Global Bio-based Pentamethylenediamine Annual Sales by Country/Region (2021-2026)

4.2.2 Global Bio-based Pentamethylenediamine Annual Revenue by Country/Region (2021-2026)

4.3 Americas Bio-based Pentamethylenediamine Sales Growth

4.4 APAC Bio-based Pentamethylenediamine Sales Growth

4.5 Europe Bio-based Pentamethylenediamine Sales Growth

4.6 Middle East & Africa Bio-based Pentamethylenediamine Sales Growth

5 AMERICAS

5.1 Americas Bio-based Pentamethylenediamine Sales by Country

5.1.1 Americas Bio-based Pentamethylenediamine Sales by Country (2021-2026)

5.1.2 Americas Bio-based Pentamethylenediamine Revenue by Country (2021-2026)

5.2 Americas Bio-based Pentamethylenediamine Sales by Type (2021-2026)

5.3 Americas Bio-based Pentamethylenediamine Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Bio-based Pentamethylenediamine Sales by Region

6.1.1 APAC Bio-based Pentamethylenediamine Sales by Region (2021-2026)

6.1.2 APAC Bio-based Pentamethylenediamine Revenue by Region (2021-2026)

6.2 APAC Bio-based Pentamethylenediamine Sales by Type (2021-2026)

6.3 APAC Bio-based Pentamethylenediamine Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Bio-based Pentamethylenediamine by Country

7.1.1 Europe Bio-based Pentamethylenediamine Sales by Country (2021-2026)

7.1.2 Europe Bio-based Pentamethylenediamine Revenue by Country (2021-2026)

7.2 Europe Bio-based Pentamethylenediamine Sales by Type (2021-2026)

7.3 Europe Bio-based Pentamethylenediamine Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Bio-based Pentamethylenediamine by Country

8.1.1 Middle East & Africa Bio-based Pentamethylenediamine Sales by Country (2021-2026)

8.1.2 Middle East & Africa Bio-based Pentamethylenediamine Revenue by Country (2021-2026)

8.2 Middle East & Africa Bio-based Pentamethylenediamine Sales by Type (2021-2026)

8.3 Middle East & Africa Bio-based Pentamethylenediamine Sales by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Bio-based Pentamethylenediamine

10.3 Manufacturing Process Analysis of Bio-based Pentamethylenediamine

10.4 Industry Chain Structure of Bio-based Pentamethylenediamine

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Bio-based Pentamethylenediamine Distributors

11.3 Bio-based Pentamethylenediamine Customer

12 WORLD FORECAST REVIEW FOR BIO-BASED PENTAMETHYLENEDIAMINE BY GEOGRAPHIC REGION

12.1 Global Bio-based Pentamethylenediamine Market Size Forecast by Region

12.1.1 Global Bio-based Pentamethylenediamine Forecast by Region (2027-2032)

12.1.2 Global Bio-based Pentamethylenediamine Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Bio-based Pentamethylenediamine Forecast by Type (2027-2032)

12.7 Global Bio-based Pentamethylenediamine Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Cathay Biotech

13.1.1 Cathay Biotech Company Information

13.1.2 Cathay Biotech Bio-based Pentamethylenediamine Product Portfolios and Specifications

13.1.3 Cathay Biotech Bio-based Pentamethylenediamine Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Cathay Biotech Main Business Overview

13.1.5 Cathay Biotech Latest Developments

13.2 Ningxia Eppen Biotech Co., Ltd

13.2.1 Ningxia Eppen Biotech Co., Ltd Company Information

13.2.2 Ningxia Eppen Biotech Co., Ltd Bio-based Pentamethylenediamine Product Portfolios and Specifications

13.2.3 Ningxia Eppen Biotech Co., Ltd Bio-based Pentamethylenediamine Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Ningxia Eppen Biotech Co., Ltd Main Business Overview

13.2.5 Ningxia Eppen Biotech Co., Ltd Latest Developments

13.3 CJ BIO

13.3.1 CJ BIO Company Information

13.3.2 CJ BIO Bio-based Pentamethylenediamine Product Portfolios and Specifications

13.3.3 CJ BIO Bio-based Pentamethylenediamine Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 CJ BIO Main Business Overview

13.3.5 CJ BIO Latest Developments

13.4 Yangmei Chemical

13.4.1 Yangmei Chemical Company Information

13.4.2 Yangmei Chemical Bio-based Pentamethylenediamine Product Portfolios and Specifications

13.4.3 Yangmei Chemical Bio-based Pentamethylenediamine Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 Yangmei Chemical Main Business Overview

13.4.5 Yangmei Chemical Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Bio-based Pentamethylenediamine Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Bio-based Pentamethylenediamine Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of 0.995

Table 4. Major Players of 0.999

Table 5. Major Players of Others

Table 6. Global Bio-based Pentamethylenediamine Sales by Type (2021-2026) & (Tons)

Table 7. Global Bio-based Pentamethylenediamine Sales Market Share by Type (2021-2026)

Table 8. Global Bio-based Pentamethylenediamine Revenue by Type (2021-2026) & (\$ million)

Table 9. Global Bio-based Pentamethylenediamine Revenue Market Share by Type (2021-2026)

Table 10. Global Bio-based Pentamethylenediamine Sale Price by Type (2021-2026) & (US\$/Ton)

Table 11. Global Bio-based Pentamethylenediamine Sale by Application (2021-2026) & (Tons)

Table 12. Global Bio-based Pentamethylenediamine Sale Market Share by Application (2021-2026)

Table 13. Global Bio-based Pentamethylenediamine Revenue by Application (2021-2026) & (\$ million)

Table 14. Global Bio-based Pentamethylenediamine Revenue Market Share by Application (2021-2026)

Table 15. Global Bio-based Pentamethylenediamine Sale Price by Application (2021-2026) & (US\$/Ton)

Table 16. Global Bio-based Pentamethylenediamine Sales by Company (2021-2026) & (Tons)

Table 17. Global Bio-based Pentamethylenediamine Sales Market Share by Company (2021-2026)

Table 18. Global Bio-based Pentamethylenediamine Revenue by Company (2021-2026) & (\$ millions)

Table 19. Global Bio-based Pentamethylenediamine Revenue Market Share by Company (2021-2026)

Table 20. Global Bio-based Pentamethylenediamine Sale Price by Company (2021-2026) & (US\$/Ton)
Table 21. Key Manufacturers Bio-based Pentamethylenediamine Producing Area Distribution and Sales Area
Table 22. Players Bio-based Pentamethylenediamine Products Offered
Table 23. Bio-based Pentamethylenediamine Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
Table 24. New Products and Potential Entrants
Table 25. Market M&A Activity & Strategy
Table 26. Global Bio-based Pentamethylenediamine Sales by Geographic Region (2021-2026) & (Tons)
Table 27. Global Bio-based Pentamethylenediamine Sales Market Share Geographic Region (2021-2026)
Table 28. Global Bio-based Pentamethylenediamine Revenue by Geographic Region (2021-2026) & (\$ millions)
Table 29. Global Bio-based Pentamethylenediamine Revenue Market Share by Geographic Region (2021-2026)
Table 30. Global Bio-based Pentamethylenediamine Sales by Country/Region (2021-2026) & (Tons)
Table 31. Global Bio-based Pentamethylenediamine Sales Market Share by Country/Region (2021-2026)
Table 32. Global Bio-based Pentamethylenediamine Revenue by Country/Region (2021-2026) & (\$ millions)
Table 33. Global Bio-based Pentamethylenediamine Revenue Market Share by Country/Region (2021-2026)
Table 34. Americas Bio-based Pentamethylenediamine Sales by Country (2021-2026) & (Tons)
Table 35. Americas Bio-based Pentamethylenediamine Sales Market Share by Country (2021-2026)
Table 36. Americas Bio-based Pentamethylenediamine Revenue by Country (2021-2026) & (\$ millions)
Table 37. Americas Bio-based Pentamethylenediamine Sales by Type (2021-2026) & (Tons)
Table 38. Americas Bio-based Pentamethylenediamine Sales by Application (2021-2026) & (Tons)
Table 39. APAC Bio-based Pentamethylenediamine Sales by Region (2021-2026) & (Tons)
Table 40. APAC Bio-based Pentamethylenediamine Sales Market Share by Region (2021-2026)

Table 41. APAC Bio-based Pentamethylenediamine Revenue by Region (2021-2026) & (\$ millions)

Table 42. APAC Bio-based Pentamethylenediamine Sales by Type (2021-2026) & (Tons)

Table 43. APAC Bio-based Pentamethylenediamine Sales by Application (2021-2026) & (Tons)

Table 44. Europe Bio-based Pentamethylenediamine Sales by Country (2021-2026) & (Tons)

Table 45. Europe Bio-based Pentamethylenediamine Revenue by Country (2021-2026) & (\$ millions)

Table 46. Europe Bio-based Pentamethylenediamine Sales by Type (2021-2026) & (Tons)

Table 47. Europe Bio-based Pentamethylenediamine Sales by Application (2021-2026) & (Tons)

Table 48. Middle East & Africa Bio-based Pentamethylenediamine Sales by Country (2021-2026) & (Tons)

Table 49. Middle East & Africa Bio-based Pentamethylenediamine Revenue Market Share by Country (2021-2026)

Table 50. Middle East & Africa Bio-based Pentamethylenediamine Sales by Type (2021-2026) & (Tons)

Table 51. Middle East & Africa Bio-based Pentamethylenediamine Sales by Application (2021-2026) & (Tons)

Table 52. Key Market Drivers & Growth Opportunities of Bio-based Pentamethylenediamine

Table 53. Key Market Challenges & Risks of Bio-based Pentamethylenediamine

Table 54. Key Industry Trends of Bio-based Pentamethylenediamine

Table 55. Bio-based Pentamethylenediamine Raw Material

Table 56. Key Suppliers of Raw Materials

Table 57. Bio-based Pentamethylenediamine Distributors List

Table 58. Bio-based Pentamethylenediamine Customer List

Table 59. Global Bio-based Pentamethylenediamine Sales Forecast by Region (2027-2032) & (Tons)

Table 60. Global Bio-based Pentamethylenediamine Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 61. Americas Bio-based Pentamethylenediamine Sales Forecast by Country (2027-2032) & (Tons)

Table 62. Americas Bio-based Pentamethylenediamine Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 63. APAC Bio-based Pentamethylenediamine Sales Forecast by Region

(2027-2032) & (Tons)

Table 64. APAC Bio-based Pentamethylenediamine Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 65. Europe Bio-based Pentamethylenediamine Sales Forecast by Country (2027-2032) & (Tons)

Table 66. Europe Bio-based Pentamethylenediamine Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 67. Middle East & Africa Bio-based Pentamethylenediamine Sales Forecast by Country (2027-2032) & (Tons)

Table 68. Middle East & Africa Bio-based Pentamethylenediamine Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 69. Global Bio-based Pentamethylenediamine Sales Forecast by Type (2027-2032) & (Tons)

Table 70. Global Bio-based Pentamethylenediamine Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 71. Global Bio-based Pentamethylenediamine Sales Forecast by Application (2027-2032) & (Tons)

Table 72. Global Bio-based Pentamethylenediamine Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 73. Cathay Biotech Basic Information, Bio-based Pentamethylenediamine Manufacturing Base, Sales Area and Its Competitors

Table 74. Cathay Biotech Bio-based Pentamethylenediamine Product Portfolios and Specifications

Table 75. Cathay Biotech Bio-based Pentamethylenediamine Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 76. Cathay Biotech Main Business

Table 77. Cathay Biotech Latest Developments

Table 78. Ningxia Eppen Biotech Co., Ltd Basic Information, Bio-based Pentamethylenediamine Manufacturing Base, Sales Area and Its Competitors

Table 79. Ningxia Eppen Biotech Co., Ltd Bio-based Pentamethylenediamine Product Portfolios and Specifications

Table 80. Ningxia Eppen Biotech Co., Ltd Bio-based Pentamethylenediamine Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 81. Ningxia Eppen Biotech Co., Ltd Main Business

Table 82. Ningxia Eppen Biotech Co., Ltd Latest Developments

Table 83. CJ BIO Basic Information, Bio-based Pentamethylenediamine Manufacturing Base, Sales Area and Its Competitors

Table 84. CJ BIO Bio-based Pentamethylenediamine Product Portfolios and Specifications

Table 85. CJ BIO Bio-based Pentamethylenediamine Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 86. CJ BIO Main Business

Table 87. CJ BIO Latest Developments

Table 88. Yangmei Chemical Basic Information, Bio-based Pentamethylenediamine Manufacturing Base, Sales Area and Its Competitors

Table 89. Yangmei Chemical Bio-based Pentamethylenediamine Product Portfolios and Specifications

Table 90. Yangmei Chemical Bio-based Pentamethylenediamine Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 91. Yangmei Chemical Main Business

Table 92. Yangmei Chemical Latest Developments

List Of Figures

LIST OF FIGURES

Figure 1. Picture of Bio-based Pentamethylenediamine

Figure 2. Bio-based Pentamethylenediamine Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Bio-based Pentamethylenediamine Sales Growth Rate 2021-2032 (Tons)

Figure 7. Global Bio-based Pentamethylenediamine Revenue Growth Rate 2021-2032 (\$ millions)

Figure 8. Bio-based Pentamethylenediamine Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Figure 9. Bio-based Pentamethylenediamine Sales Market Share by Country/Region (2025)

Figure 10. Bio-based Pentamethylenediamine Sales Market Share by Country/Region (2021, 2025 & 2032)

Figure 11. Product Picture of 0.995

Figure 12. Product Picture of 0.999

Figure 13. Product Picture of Others

Figure 14. Global Bio-based Pentamethylenediamine Sales Market Share by Type in 2026

Figure 15. Global Bio-based Pentamethylenediamine Revenue Market Share by Type (2021-2026)

Figure 16. Bio-based Pentamethylenediamine Consumed in Textiles

Figure 17. Global Bio-based Pentamethylenediamine Market: Textiles (2021-2026) & (Tons)

Figure 18. Bio-based Pentamethylenediamine Consumed in Epoxy Resin Curing Agent

Figure 19. Global Bio-based Pentamethylenediamine Market: Epoxy Resin Curing Agent (2021-2026) & (Tons)

Figure 20. Bio-based Pentamethylenediamine Consumed in Organic Synthesis Intermediates

Figure 21. Global Bio-based Pentamethylenediamine Market: Organic Synthesis Intermediates (2021-2026) & (Tons)

Figure 22. Bio-based Pentamethylenediamine Consumed in Pharmaceutical Intermediates

Figure 23. Global Bio-based Pentamethylenediamine Market: Pharmaceutical

Intermediates (2021-2026) & (Tons)

Figure 24. Bio-based Pentamethylenediamine Consumed in Pesticide Intermediates

Figure 25. Global Bio-based Pentamethylenediamine Market: Pesticide Intermediates (2021-2026) & (Tons)

Figure 26. Bio-based Pentamethylenediamine Consumed in Others

Figure 27. Global Bio-based Pentamethylenediamine Market: Others (2021-2026) & (Tons)

Figure 28. Global Bio-based Pentamethylenediamine Sale Market Share by Application (2025)

Figure 29. Global Bio-based Pentamethylenediamine Revenue Market Share by Application in 2026

Figure 30. Bio-based Pentamethylenediamine Sales by Company in 2026 (Tons)

Figure 31. Global Bio-based Pentamethylenediamine Sales Market Share by Company in 2026

Figure 32. Bio-based Pentamethylenediamine Revenue by Company in 2026 (\$ millions)

Figure 33. Global Bio-based Pentamethylenediamine Revenue Market Share by Company in 2026

Figure 34. Global Bio-based Pentamethylenediamine Sales Market Share by Geographic Region (2021-2026)

Figure 35. Global Bio-based Pentamethylenediamine Revenue Market Share by Geographic Region in 2026

Figure 36. Americas Bio-based Pentamethylenediamine Sales 2021-2026 (Tons)

Figure 37. Americas Bio-based Pentamethylenediamine Revenue 2021-2026 (\$ millions)

Figure 38. APAC Bio-based Pentamethylenediamine Sales 2021-2026 (Tons)

Figure 39. APAC Bio-based Pentamethylenediamine Revenue 2021-2026 (\$ millions)

Figure 40. Europe Bio-based Pentamethylenediamine Sales 2021-2026 (Tons)

Figure 41. Europe Bio-based Pentamethylenediamine Revenue 2021-2026 (\$ millions)

Figure 42. Middle East & Africa Bio-based Pentamethylenediamine Sales 2021-2026 (Tons)

Figure 43. Middle East & Africa Bio-based Pentamethylenediamine Revenue 2021-2026 (\$ millions)

Figure 44. Americas Bio-based Pentamethylenediamine Sales Market Share by Country in 2026

Figure 45. Americas Bio-based Pentamethylenediamine Revenue Market Share by Country (2021-2026)

Figure 46. Americas Bio-based Pentamethylenediamine Sales Market Share by Type (2021-2026)

Figure 47. Americas Bio-based Pentamethylenediamine Sales Market Share by Application (2021-2026)

Figure 48. United States Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 49. Canada Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 50. Mexico Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 51. Brazil Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 52. APAC Bio-based Pentamethylenediamine Sales Market Share by Region in 2026

Figure 53. APAC Bio-based Pentamethylenediamine Revenue Market Share by Region (2021-2026)

Figure 54. APAC Bio-based Pentamethylenediamine Sales Market Share by Type (2021-2026)

Figure 55. APAC Bio-based Pentamethylenediamine Sales Market Share by Application (2021-2026)

Figure 56. China Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 57. Japan Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 58. South Korea Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 59. Southeast Asia Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 60. India Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 61. Australia Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 62. China Taiwan Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 63. Europe Bio-based Pentamethylenediamine Sales Market Share by Country in 2026

Figure 64. Europe Bio-based Pentamethylenediamine Revenue Market Share by Country (2021-2026)

Figure 65. Europe Bio-based Pentamethylenediamine Sales Market Share by Type (2021-2026)

Figure 66. Europe Bio-based Pentamethylenediamine Sales Market Share by

Application (2021-2026)

Figure 67. Germany Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 68. France Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 69. UK Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 70. Italy Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 71. Russia Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 72. Middle East & Africa Bio-based Pentamethylenediamine Sales Market Share by Country (2021-2026)

Figure 73. Middle East & Africa Bio-based Pentamethylenediamine Sales Market Share by Type (2021-2026)

Figure 74. Middle East & Africa Bio-based Pentamethylenediamine Sales Market Share by Application (2021-2026)

Figure 75. Egypt Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 76. South Africa Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 77. Israel Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 78. Turkey Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 79. GCC Countries Bio-based Pentamethylenediamine Revenue Growth 2021-2026 (\$ millions)

Figure 80. Manufacturing Cost Structure Analysis of Bio-based Pentamethylenediamine in 2026

Figure 81. Manufacturing Process Analysis of Bio-based Pentamethylenediamine

Figure 82. Industry Chain Structure of Bio-based Pentamethylenediamine

Figure 83. Channels of Distribution

Figure 84. Global Bio-based Pentamethylenediamine Sales Market Forecast by Region (2027-2032)

Figure 85. Global Bio-based Pentamethylenediamine Revenue Market Share Forecast by Region (2027-2032)

Figure 86. Global Bio-based Pentamethylenediamine Sales Market Share Forecast by Type (2027-2032)

Figure 87. Global Bio-based Pentamethylenediamine Revenue Market Share Forecast

by Type (2027-2032)

Figure 88. Global Bio-based Pentamethylenediamine Sales Market Share Forecast by Application (2027-2032)

Figure 89. Global Bio-based Pentamethylenediamine Revenue Market Share Forecast by Application (2027-2032)

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