

Global Microencapsulated Imidazole Curing Agent Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Microencapsulated Imidazole Curing Agent market size was valued at US\$ 294 million in 2025 and is forecast to a readjusted size of US\$ 473 million by 2032 with a CAGR of 7.0% during review period.

Microencapsulated imidazole latent curing agents are epoxy curing agents or curing accelerators in which imidazole or imidazole derivatives are physically or chemically isolated through polymer shells, resin barriers, inclusion structures or epoxy-resin masterbatch systems. These materials remain latent at room temperature or during low-temperature storage and release or activate the imidazole component upon heating, pressure, shear or shell softening. They enable one-component epoxy formulations with both long storage stability and rapid thermal curing, and are mainly used in electronic encapsulation, anisotropic conductive films, non-conductive adhesives, one-component structural adhesives, prepregs, powder coatings, composites and precision electronic bonding.

Microencapsulated imidazole curing agents should be defined as microcapsule-type imidazole latent curing agents for epoxy systems rather than as ordinary imidazole hardeners. Their key feature is the physical or chemical isolation of the active imidazole component through capsule shells, epoxy masterbatch dispersion, chemical capping or inclusion structures. This allows epoxy formulations to maintain storage stability at room temperature or low temperature and to cure rapidly when activated by heat, pressure, shear or shell softening. Under a strict market scope, NOVACURE HX-type microencapsulated imidazole masterbatches represent the clearest commercial product category, while AJICURE, CUREZOL, CUREDUCT, NISSOCURE, FUJICURE and

ADEKA EH products should be classified by grade as modified imidazoles, imidazole adducts, inclusion imidazoles or adjacent latent hardener systems.

From the supply perspective, Japanese companies hold a clear technical position in this market. Asahi Kasei / NOVACURE is the most important core manufacturer under the strict microencapsulated imidazole definition. Ajinomoto Fine-Techno, Shikoku Chemicals, Nippon Soda, T&K TOKA and ADEKA also have strong product lines in imidazole-based or latent epoxy curing systems. Evonik participates in the global supply chain through CUREZOL and IMICURE brands, while BASF is an important upstream imidazole producer.

Demand is driven primarily by electronic encapsulation, ACF/NCA, one-component electronic adhesives, low-temperature structural adhesives, prepregs, composites and powder coatings. Downstream customers do not evaluate these products only by curing speed; the most important criteria include storage stability, low-temperature curing, electronic reliability, low ionic and chlorine impurities, dispersion quality, dispensing and coating process compatibility, batch consistency and reliable long-term supply. Future growth is expected to be supported by advanced semiconductor packaging, display interconnect materials, automotive electronics, low-temperature structural adhesives, China-based substitution in electronic adhesives, fast-cure composites and wider adoption of one-component epoxy systems.

This report is a detailed and comprehensive analysis for global Microencapsulated Imidazole Curing Agent market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Activation Temperature and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Microencapsulated Imidazole Curing Agent market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Microencapsulated Imidazole Curing Agent market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling

prices (US\$/Ton), 2021-2032

Global Microencapsulated Imidazole Curing Agent market size and forecasts, by Activation Temperature and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Microencapsulated Imidazole Curing Agent market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Microencapsulated Imidazole Curing Agent

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Microencapsulated Imidazole Curing Agent market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Asahi Kasei Corporation, Ajinomoto Fine-Techno Co., Inc., Shikoku Chemicals Corporation, Evonik Industries AG, T&K TOKA Corporation, Nippon Soda Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Microencapsulated Imidazole Curing Agent market is split by Activation Temperature and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Activation Temperature, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Activation Temperature

?70°C Ultra-low-temperature Activation

70-90°C Low-temperature Activation

90-110°C Standard Low-temperature Activation

110-130°C Medium-temperature Activation

130-150°C High-stability Activation

>150°C High-temperature Activation

Market segment by Imidazole Core Chemistry

2-Methylimidazole-based Systems

2-Ethyl-4-methylimidazole-based Systems

2-Phenylimidazole / Phenyl-substituted Systems

Imidazole-epoxy Adduct Systems

Market segment by Latency Mechanism

Polymer-shell Physical Encapsulation

In-situ Resin / Epoxy Masterbatch Encapsulation

Isocyanate / Urea-based Barrier Encapsulation

Market segment by Application

Electronics and Semiconductor

Automotive and Transportation

Aerospace and Composite Materials

Industrial Adhesives and Sealants

Coatings and Electrical Insulation

Major players covered

Asahi Kasei Corporation

Ajinomoto Fine-Techno Co., Inc.

Shikoku Chemicals Corporation

Evonik Industries AG

T&K TOKA Corporation

Nippon Soda Co., Ltd.

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Microencapsulated Imidazole Curing Agent product scope,

Global Microencapsulated Imidazole Curing Agent Market 2026 by Manufacturers, Regions, Type and Application, F...

market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Microencapsulated Imidazole Curing Agent, with price, sales quantity, revenue, and global market share of Microencapsulated Imidazole Curing Agent from 2021 to 2026.

Chapter 3, the Microencapsulated Imidazole Curing Agent competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Microencapsulated Imidazole Curing Agent breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Activation Temperature and by Application, with sales market share and growth rate by Activation Temperature, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Microencapsulated Imidazole Curing Agent market forecast, by regions, by Activation Temperature, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Microencapsulated Imidazole Curing Agent.

Chapter 14 and 15, to describe Microencapsulated Imidazole Curing Agent sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Activation Temperature

1.3.1 Overview: Global Microencapsulated Imidazole Curing Agent Consumption Value by Activation Temperature: 2021 Versus 2025 Versus 2032

1.3.2 -70°C Ultra-low-temperature Activation

1.3.3 -70°-90°C Low-temperature Activation

1.3.4 90°-110°C Standard Low-temperature Activation

1.3.5 110°-130°C Medium-temperature Activation

1.3.6 130°-150°C High-stability Activation

1.3.7 >150°C High-temperature Activation

1.4 Market Analysis by Imidazole Core Chemistry

1.4.1 Overview: Global Microencapsulated Imidazole Curing Agent Consumption Value by Imidazole Core Chemistry: 2021 Versus 2025 Versus 2032

1.4.2 2-Methylimidazole-based Systems

1.4.3 2-Ethyl-4-methylimidazole-based Systems

1.4.4 2-Phenylimidazole / Phenyl-substituted Systems

1.4.5 Imidazole-epoxy Adduct Systems

1.5 Market Analysis by Latency Mechanism

1.5.1 Overview: Global Microencapsulated Imidazole Curing Agent Consumption Value by Latency Mechanism: 2021 Versus 2025 Versus 2032

1.5.2 Polymer-shell Physical Encapsulation

1.5.3 In-situ Resin / Epoxy Masterbatch Encapsulation

1.5.4 Isocyanate / Urea-based Barrier Encapsulation

1.6 Market Analysis by Application

1.6.1 Overview: Global Microencapsulated Imidazole Curing Agent Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Electronics and Semiconductor

1.6.3 Automotive and Transportation

1.6.4 Aerospace and Composite Materials

1.6.5 Industrial Adhesives and Sealants

1.6.6 Coatings and Electrical Insulation

1.7 Global Microencapsulated Imidazole Curing Agent Market Size & Forecast

1.7.1 Global Microencapsulated Imidazole Curing Agent Consumption Value (2021 & 2025 & 2032)

1.7.2 Global Microencapsulated Imidazole Curing Agent Sales Quantity (2021-2032)

1.7.3 Global Microencapsulated Imidazole Curing Agent Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Asahi Kasei Corporation

2.1.1 Asahi Kasei Corporation Details

2.1.2 Asahi Kasei Corporation Major Business

2.1.3 Asahi Kasei Corporation Microencapsulated Imidazole Curing Agent Product and Services

2.1.4 Asahi Kasei Corporation Microencapsulated Imidazole Curing Agent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 Asahi Kasei Corporation Recent Developments/Updates

2.2 Ajinomoto Fine-Techno Co., Inc.

2.2.1 Ajinomoto Fine-Techno Co., Inc. Details

2.2.2 Ajinomoto Fine-Techno Co., Inc. Major Business

2.2.3 Ajinomoto Fine-Techno Co., Inc. Microencapsulated Imidazole Curing Agent Product and Services

2.2.4 Ajinomoto Fine-Techno Co., Inc. Microencapsulated Imidazole Curing Agent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 Ajinomoto Fine-Techno Co., Inc. Recent Developments/Updates

2.3 Shikoku Chemicals Corporation

2.3.1 Shikoku Chemicals Corporation Details

2.3.2 Shikoku Chemicals Corporation Major Business

2.3.3 Shikoku Chemicals Corporation Microencapsulated Imidazole Curing Agent Product and Services

2.3.4 Shikoku Chemicals Corporation Microencapsulated Imidazole Curing Agent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 Shikoku Chemicals Corporation Recent Developments/Updates

2.4 Evonik Industries AG

2.4.1 Evonik Industries AG Details

2.4.2 Evonik Industries AG Major Business

2.4.3 Evonik Industries AG Microencapsulated Imidazole Curing Agent Product and Services

2.4.4 Evonik Industries AG Microencapsulated Imidazole Curing Agent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 Evonik Industries AG Recent Developments/Updates

2.5 T&K TOKA Corporation

2.5.1 T&K TOKA Corporation Details

2.5.2 T&K TOKA Corporation Major Business

2.5.3 T&K TOKA Corporation Microencapsulated Imidazole Curing Agent Product and Services

2.5.4 T&K TOKA Corporation Microencapsulated Imidazole Curing Agent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 T&K TOKA Corporation Recent Developments/Updates

2.6 Nippon Soda Co., Ltd.

2.6.1 Nippon Soda Co., Ltd. Details

2.6.2 Nippon Soda Co., Ltd. Major Business

2.6.3 Nippon Soda Co., Ltd. Microencapsulated Imidazole Curing Agent Product and Services

2.6.4 Nippon Soda Co., Ltd. Microencapsulated Imidazole Curing Agent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 Nippon Soda Co., Ltd. Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: MICROENCAPSULATED IMIDAZOLE CURING AGENT BY MANUFACTURER

3.1 Global Microencapsulated Imidazole Curing Agent Sales Quantity by Manufacturer (2021-2026)

3.2 Global Microencapsulated Imidazole Curing Agent Revenue by Manufacturer (2021-2026)

3.3 Global Microencapsulated Imidazole Curing Agent Average Price by Manufacturer (2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of Microencapsulated Imidazole Curing Agent by Manufacturer Revenue (\$MM) and Market Share (%): 2025

3.4.2 Top 3 Microencapsulated Imidazole Curing Agent Manufacturer Market Share in 2025

3.4.3 Top 6 Microencapsulated Imidazole Curing Agent Manufacturer Market Share in 2025

3.5 Microencapsulated Imidazole Curing Agent Market: Overall Company Footprint Analysis

3.5.1 Microencapsulated Imidazole Curing Agent Market: Region Footprint

3.5.2 Microencapsulated Imidazole Curing Agent Market: Company Product Type Footprint

3.5.3 Microencapsulated Imidazole Curing Agent Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Microencapsulated Imidazole Curing Agent Market Size by Region

4.1.1 Global Microencapsulated Imidazole Curing Agent Sales Quantity by Region (2021-2032)

4.1.2 Global Microencapsulated Imidazole Curing Agent Consumption Value by Region (2021-2032)

4.1.3 Global Microencapsulated Imidazole Curing Agent Average Price by Region (2021-2032)

4.2 North America Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032)

4.3 Europe Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032)

4.4 Asia-Pacific Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032)

4.5 South America Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032)

4.6 Middle East & Africa Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032)

5 MARKET SEGMENT BY ACTIVATION TEMPERATURE

5.1 Global Microencapsulated Imidazole Curing Agent Sales Quantity by Activation Temperature (2021-2032)

5.2 Global Microencapsulated Imidazole Curing Agent Consumption Value by Activation Temperature (2021-2032)

5.3 Global Microencapsulated Imidazole Curing Agent Average Price by Activation Temperature (2021-2032)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2021-2032)

6.2 Global Microencapsulated Imidazole Curing Agent Consumption Value by Application (2021-2032)

6.3 Global Microencapsulated Imidazole Curing Agent Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America Microencapsulated Imidazole Curing Agent Sales Quantity by Activation Temperature (2021-2032)

7.2 North America Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2021-2032)

7.3 North America Microencapsulated Imidazole Curing Agent Market Size by Country

7.3.1 North America Microencapsulated Imidazole Curing Agent Sales Quantity by Country (2021-2032)

7.3.2 North America Microencapsulated Imidazole Curing Agent Consumption Value by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Microencapsulated Imidazole Curing Agent Sales Quantity by Activation Temperature (2021-2032)

8.2 Europe Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2021-2032)

8.3 Europe Microencapsulated Imidazole Curing Agent Market Size by Country

8.3.1 Europe Microencapsulated Imidazole Curing Agent Sales Quantity by Country (2021-2032)

8.3.2 Europe Microencapsulated Imidazole Curing Agent Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Microencapsulated Imidazole Curing Agent Sales Quantity by Activation Temperature (2021-2032)

9.2 Asia-Pacific Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Microencapsulated Imidazole Curing Agent Market Size by Region

9.3.1 Asia-Pacific Microencapsulated Imidazole Curing Agent Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Microencapsulated Imidazole Curing Agent Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Microencapsulated Imidazole Curing Agent Sales Quantity by Activation Temperature (2021-2032)

10.2 South America Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2021-2032)

10.3 South America Microencapsulated Imidazole Curing Agent Market Size by Country

10.3.1 South America Microencapsulated Imidazole Curing Agent Sales Quantity by Country (2021-2032)

10.3.2 South America Microencapsulated Imidazole Curing Agent Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Microencapsulated Imidazole Curing Agent Sales Quantity by Activation Temperature (2021-2032)

11.2 Middle East & Africa Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Microencapsulated Imidazole Curing Agent Market Size by Country

11.3.1 Middle East & Africa Microencapsulated Imidazole Curing Agent Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Microencapsulated Imidazole Curing Agent Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Microencapsulated Imidazole Curing Agent Market Drivers

12.2 Microencapsulated Imidazole Curing Agent Market Restraints

12.3 Microencapsulated Imidazole Curing Agent Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Microencapsulated Imidazole Curing Agent and Key Manufacturers

13.2 Manufacturing Costs Percentage of Microencapsulated Imidazole Curing Agent

13.3 Microencapsulated Imidazole Curing Agent Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Microencapsulated Imidazole Curing Agent Typical Distributors

14.3 Microencapsulated Imidazole Curing Agent Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Microencapsulated Imidazole Curing Agent Consumption Value by Activation Temperature, (USD Million), 2021 & 2025 & 2032

Table 2. Global Microencapsulated Imidazole Curing Agent Consumption Value by Imidazole Core Chemistry, (USD Million), 2021 & 2025 & 2032

Table 3. Global Microencapsulated Imidazole Curing Agent Consumption Value by Latency Mechanism, (USD Million), 2021 & 2025 & 2032

Table 4. Global Microencapsulated Imidazole Curing Agent Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Asahi Kasei Corporation Basic Information, Manufacturing Base and Competitors

Table 6. Asahi Kasei Corporation Major Business

Table 7. Asahi Kasei Corporation Microencapsulated Imidazole Curing Agent Product and Services

Table 8. Asahi Kasei Corporation Microencapsulated Imidazole Curing Agent Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Asahi Kasei Corporation Recent Developments/Updates

Table 10. Ajinomoto Fine-Techno Co., Inc. Basic Information, Manufacturing Base and Competitors

Table 11. Ajinomoto Fine-Techno Co., Inc. Major Business

Table 12. Ajinomoto Fine-Techno Co., Inc. Microencapsulated Imidazole Curing Agent Product and Services

Table 13. Ajinomoto Fine-Techno Co., Inc. Microencapsulated Imidazole Curing Agent Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Ajinomoto Fine-Techno Co., Inc. Recent Developments/Updates

Table 15. Shikoku Chemicals Corporation Basic Information, Manufacturing Base and Competitors

Table 16. Shikoku Chemicals Corporation Major Business

Table 17. Shikoku Chemicals Corporation Microencapsulated Imidazole Curing Agent Product and Services

Table 18. Shikoku Chemicals Corporation Microencapsulated Imidazole Curing Agent Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Shikoku Chemicals Corporation Recent Developments/Updates

Table 20. Evonik Industries AG Basic Information, Manufacturing Base and Competitors

Table 21. Evonik Industries AG Major Business

Table 22. Evonik Industries AG Microencapsulated Imidazole Curing Agent Product and Services

Table 23. Evonik Industries AG Microencapsulated Imidazole Curing Agent Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. Evonik Industries AG Recent Developments/Updates

Table 25. T&K TOKA Corporation Basic Information, Manufacturing Base and Competitors

Table 26. T&K TOKA Corporation Major Business

Table 27. T&K TOKA Corporation Microencapsulated Imidazole Curing Agent Product and Services

Table 28. T&K TOKA Corporation Microencapsulated Imidazole Curing Agent Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. T&K TOKA Corporation Recent Developments/Updates

Table 30. Nippon Soda Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 31. Nippon Soda Co., Ltd. Major Business

Table 32. Nippon Soda Co., Ltd. Microencapsulated Imidazole Curing Agent Product and Services

Table 33. Nippon Soda Co., Ltd. Microencapsulated Imidazole Curing Agent Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. Nippon Soda Co., Ltd. Recent Developments/Updates

Table 35. Global Microencapsulated Imidazole Curing Agent Sales Quantity by Manufacturer (2021-2026) & (Tons)

Table 36. Global Microencapsulated Imidazole Curing Agent Revenue by Manufacturer (2021-2026) & (USD Million)

Table 37. Global Microencapsulated Imidazole Curing Agent Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 38. Market Position of Manufacturers in Microencapsulated Imidazole Curing Agent, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 39. Head Office and Microencapsulated Imidazole Curing Agent Production Site of Key Manufacturer

Table 40. Microencapsulated Imidazole Curing Agent Market: Company Product Type Footprint

Table 41. Microencapsulated Imidazole Curing Agent Market: Company Product

Application Footprint

Table 42. Microencapsulated Imidazole Curing Agent New Market Entrants and Barriers to Market Entry

Table 43. Microencapsulated Imidazole Curing Agent Mergers, Acquisition, Agreements, and Collaborations

Table 44. Global Microencapsulated Imidazole Curing Agent Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 45. Global Microencapsulated Imidazole Curing Agent Sales Quantity by Region (2021-2026) & (Tons)

Table 46. Global Microencapsulated Imidazole Curing Agent Sales Quantity by Region (2027-2032) & (Tons)

Table 47. Global Microencapsulated Imidazole Curing Agent Consumption Value by Region (2021-2026) & (USD Million)

Table 48. Global Microencapsulated Imidazole Curing Agent Consumption Value by Region (2027-2032) & (USD Million)

Table 49. Global Microencapsulated Imidazole Curing Agent Average Price by Region (2021-2026) & (US\$/Ton)

Table 50. Global Microencapsulated Imidazole Curing Agent Average Price by Region (2027-2032) & (US\$/Ton)

Table 51. Global Microencapsulated Imidazole Curing Agent Sales Quantity by Activation Temperature (2021-2026) & (Tons)

Table 52. Global Microencapsulated Imidazole Curing Agent Sales Quantity by Activation Temperature (2027-2032) & (Tons)

Table 53. Global Microencapsulated Imidazole Curing Agent Consumption Value by Activation Temperature (2021-2026) & (USD Million)

Table 54. Global Microencapsulated Imidazole Curing Agent Consumption Value by Activation Temperature (2027-2032) & (USD Million)

Table 55. Global Microencapsulated Imidazole Curing Agent Average Price by Activation Temperature (2021-2026) & (US\$/Ton)

Table 56. Global Microencapsulated Imidazole Curing Agent Average Price by Activation Temperature (2027-2032) & (US\$/Ton)

Table 57. Global Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2021-2026) & (Tons)

Table 58. Global Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2027-2032) & (Tons)

Table 59. Global Microencapsulated Imidazole Curing Agent Consumption Value by Application (2021-2026) & (USD Million)

Table 60. Global Microencapsulated Imidazole Curing Agent Consumption Value by Application (2027-2032) & (USD Million)

Table 61. Global Microencapsulated Imidazole Curing Agent Average Price by Application (2021-2026) & (US\$/Ton)

Table 62. Global Microencapsulated Imidazole Curing Agent Average Price by Application (2027-2032) & (US\$/Ton)

Table 63. North America Microencapsulated Imidazole Curing Agent Sales Quantity by Activation Temperature (2021-2026) & (Tons)

Table 64. North America Microencapsulated Imidazole Curing Agent Sales Quantity by Activation Temperature (2027-2032) & (Tons)

Table 65. North America Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2021-2026) & (Tons)

Table 66. North America Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2027-2032) & (Tons)

Table 67. North America Microencapsulated Imidazole Curing Agent Sales Quantity by Country (2021-2026) & (Tons)

Table 68. North America Microencapsulated Imidazole Curing Agent Sales Quantity by Country (2027-2032) & (Tons)

Table 69. North America Microencapsulated Imidazole Curing Agent Consumption Value by Country (2021-2026) & (USD Million)

Table 70. North America Microencapsulated Imidazole Curing Agent Consumption Value by Country (2027-2032) & (USD Million)

Table 71. Europe Microencapsulated Imidazole Curing Agent Sales Quantity by Activation Temperature (2021-2026) & (Tons)

Table 72. Europe Microencapsulated Imidazole Curing Agent Sales Quantity by Activation Temperature (2027-2032) & (Tons)

Table 73. Europe Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2021-2026) & (Tons)

Table 74. Europe Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2027-2032) & (Tons)

Table 75. Europe Microencapsulated Imidazole Curing Agent Sales Quantity by Country (2021-2026) & (Tons)

Table 76. Europe Microencapsulated Imidazole Curing Agent Sales Quantity by Country (2027-2032) & (Tons)

Table 77. Europe Microencapsulated Imidazole Curing Agent Consumption Value by Country (2021-2026) & (USD Million)

Table 78. Europe Microencapsulated Imidazole Curing Agent Consumption Value by Country (2027-2032) & (USD Million)

Table 79. Asia-Pacific Microencapsulated Imidazole Curing Agent Sales Quantity by Activation Temperature (2021-2026) & (Tons)

Table 80. Asia-Pacific Microencapsulated Imidazole Curing Agent Sales Quantity by

Activation Temperature (2027-2032) & (Tons)

Table 81. Asia-Pacific Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2021-2026) & (Tons)

Table 82. Asia-Pacific Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2027-2032) & (Tons)

Table 83. Asia-Pacific Microencapsulated Imidazole Curing Agent Sales Quantity by Region (2021-2026) & (Tons)

Table 84. Asia-Pacific Microencapsulated Imidazole Curing Agent Sales Quantity by Region (2027-2032) & (Tons)

Table 85. Asia-Pacific Microencapsulated Imidazole Curing Agent Consumption Value by Region (2021-2026) & (USD Million)

Table 86. Asia-Pacific Microencapsulated Imidazole Curing Agent Consumption Value by Region (2027-2032) & (USD Million)

Table 87. South America Microencapsulated Imidazole Curing Agent Sales Quantity by Activation Temperature (2021-2026) & (Tons)

Table 88. South America Microencapsulated Imidazole Curing Agent Sales Quantity by Activation Temperature (2027-2032) & (Tons)

Table 89. South America Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2021-2026) & (Tons)

Table 90. South America Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2027-2032) & (Tons)

Table 91. South America Microencapsulated Imidazole Curing Agent Sales Quantity by Country (2021-2026) & (Tons)

Table 92. South America Microencapsulated Imidazole Curing Agent Sales Quantity by Country (2027-2032) & (Tons)

Table 93. South America Microencapsulated Imidazole Curing Agent Consumption Value by Country (2021-2026) & (USD Million)

Table 94. South America Microencapsulated Imidazole Curing Agent Consumption Value by Country (2027-2032) & (USD Million)

Table 95. Middle East & Africa Microencapsulated Imidazole Curing Agent Sales Quantity by Activation Temperature (2021-2026) & (Tons)

Table 96. Middle East & Africa Microencapsulated Imidazole Curing Agent Sales Quantity by Activation Temperature (2027-2032) & (Tons)

Table 97. Middle East & Africa Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2021-2026) & (Tons)

Table 98. Middle East & Africa Microencapsulated Imidazole Curing Agent Sales Quantity by Application (2027-2032) & (Tons)

Table 99. Middle East & Africa Microencapsulated Imidazole Curing Agent Sales Quantity by Country (2021-2026) & (Tons)

Table 100. Middle East & Africa Microencapsulated Imidazole Curing Agent Sales Quantity by Country (2027-2032) & (Tons)

Table 101. Middle East & Africa Microencapsulated Imidazole Curing Agent Consumption Value by Country (2021-2026) & (USD Million)

Table 102. Middle East & Africa Microencapsulated Imidazole Curing Agent Consumption Value by Country (2027-2032) & (USD Million)

Table 103. Microencapsulated Imidazole Curing Agent Raw Material

Table 104. Key Manufacturers of Microencapsulated Imidazole Curing Agent Raw Materials

Table 105. Microencapsulated Imidazole Curing Agent Typical Distributors

Table 106. Microencapsulated Imidazole Curing Agent Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Microencapsulated Imidazole Curing Agent Picture
- Figure 2. Global Microencapsulated Imidazole Curing Agent Revenue by Activation Temperature, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Microencapsulated Imidazole Curing Agent Revenue Market Share by Activation Temperature in 2025
- Figure 4. -70°C Ultra-low-temperature Activation Examples
- Figure 5. -70 to -90°C Low-temperature Activation Examples
- Figure 6. -90 to -110°C Standard Low-temperature Activation Examples
- Figure 7. -110 to -130°C Medium-temperature Activation Examples
- Figure 8. -130 to -150°C High-stability Activation Examples
- Figure 9. >150°C High-temperature Activation Examples
- Figure 10. Global Microencapsulated Imidazole Curing Agent Revenue by Imidazole Core Chemistry, (USD Million), 2021 & 2025 & 2032
- Figure 11. Global Microencapsulated Imidazole Curing Agent Revenue Market Share by Imidazole Core Chemistry in 2025
- Figure 12. 2-Methylimidazole-based Systems Examples
- Figure 13. 2-Ethyl-4-methylimidazole-based Systems Examples
- Figure 14. 2-Phenylimidazole / Phenyl-substituted Systems Examples
- Figure 15. Imidazole-epoxy Adduct Systems Examples
- Figure 16. Global Microencapsulated Imidazole Curing Agent Revenue by Latency Mechanism, (USD Million), 2021 & 2025 & 2032
- Figure 17. Global Microencapsulated Imidazole Curing Agent Revenue Market Share by Latency Mechanism in 2025
- Figure 18. Polymer-shell Physical Encapsulation Examples
- Figure 19. In-situ Resin / Epoxy Masterbatch Encapsulation Examples
- Figure 20. Isocyanate / Urea-based Barrier Encapsulation Examples
- Figure 21. Global Microencapsulated Imidazole Curing Agent Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 22. Global Microencapsulated Imidazole Curing Agent Revenue Market Share by Application in 2025
- Figure 23. Electronics and Semiconductor Examples
- Figure 24. Automotive and Transportation Examples
- Figure 25. Aerospace and Composite Materials Examples
- Figure 26. Industrial Adhesives and Sealants Examples
- Figure 27. Coatings and Electrical Insulation Examples

Figure 28. Global Microencapsulated Imidazole Curing Agent Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 29. Global Microencapsulated Imidazole Curing Agent Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 30. Global Microencapsulated Imidazole Curing Agent Sales Quantity (2021-2032) & (Tons)

Figure 31. Global Microencapsulated Imidazole Curing Agent Price (2021-2032) & (US\$/Ton)

Figure 32. Global Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Manufacturer in 2025

Figure 33. Global Microencapsulated Imidazole Curing Agent Revenue Market Share by Manufacturer in 2025

Figure 34. Producer Shipments of Microencapsulated Imidazole Curing Agent by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 35. Top 3 Microencapsulated Imidazole Curing Agent Manufacturer (Revenue) Market Share in 2025

Figure 36. Top 6 Microencapsulated Imidazole Curing Agent Manufacturer (Revenue) Market Share in 2025

Figure 37. Global Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Region (2021-2032)

Figure 38. Global Microencapsulated Imidazole Curing Agent Consumption Value Market Share by Region (2021-2032)

Figure 39. North America Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 40. Europe Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 41. Asia-Pacific Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 42. South America Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 43. Middle East & Africa Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 44. Global Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Activation Temperature (2021-2032)

Figure 45. Global Microencapsulated Imidazole Curing Agent Consumption Value Market Share by Activation Temperature (2021-2032)

Figure 46. Global Microencapsulated Imidazole Curing Agent Average Price by Activation Temperature (2021-2032) & (US\$/Ton)

Figure 47. Global Microencapsulated Imidazole Curing Agent Sales Quantity Market

Share by Application (2021-2032)

Figure 48. Global Microencapsulated Imidazole Curing Agent Revenue Market Share by Application (2021-2032)

Figure 49. Global Microencapsulated Imidazole Curing Agent Average Price by Application (2021-2032) & (US\$/Ton)

Figure 50. North America Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Activation Temperature (2021-2032)

Figure 51. North America Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Application (2021-2032)

Figure 52. North America Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Country (2021-2032)

Figure 53. North America Microencapsulated Imidazole Curing Agent Consumption Value Market Share by Country (2021-2032)

Figure 54. United States Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 55. Canada Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 56. Mexico Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 57. Europe Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Activation Temperature (2021-2032)

Figure 58. Europe Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Application (2021-2032)

Figure 59. Europe Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Country (2021-2032)

Figure 60. Europe Microencapsulated Imidazole Curing Agent Consumption Value Market Share by Country (2021-2032)

Figure 61. Germany Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 62. France Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 63. United Kingdom Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 64. Russia Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 65. Italy Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 66. Asia-Pacific Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Activation Temperature (2021-2032)

Figure 67. Asia-Pacific Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Application (2021-2032)

Figure 68. Asia-Pacific Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Region (2021-2032)

Figure 69. Asia-Pacific Microencapsulated Imidazole Curing Agent Consumption Value Market Share by Region (2021-2032)

Figure 70. China Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 71. Japan Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 72. South Korea Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 73. India Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 74. Southeast Asia Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 75. Australia Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 76. South America Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Activation Temperature (2021-2032)

Figure 77. South America Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Application (2021-2032)

Figure 78. South America Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Country (2021-2032)

Figure 79. South America Microencapsulated Imidazole Curing Agent Consumption Value Market Share by Country (2021-2032)

Figure 80. Brazil Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 81. Argentina Microencapsulated Imidazole Curing Agent Consumption Value (2021-2032) & (USD Million)

Figure 82. Middle East & Africa Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Activation Temperature (2021-2032)

Figure 83. Middle East & Africa Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Application (2021-2032)

Figure 84. Middle East & Africa Microencapsulated Imidazole Curing Agent Sales Quantity Market Share by Country (2021-2032)

Figure 85. Middle East & Africa Microencapsulated Imidazole Curing Agent Consumption Value Market Share by Country (2021-2032)

Figure 86. Turkey Microencapsulated Imidazole Curing Agent Consumption Value

(2021-2032) & (USD Million)

Figure 87. Egypt Microencapsulated Imidazole Curing Agent Consumption Value

(2021-2032) & (USD Million)

Figure 88. Saudi Arabia Microencapsulated Imidazole Curing Agent Consumption Value

(2021-2032) & (USD Million)

Figure 89. South Africa Microencapsulated Imidazole Curing Agent Consumption Value

(2021-2032) & (USD Million)

Figure 90. Microencapsulated Imidazole Curing Agent Market Drivers

Figure 91. Microencapsulated Imidazole Curing Agent Market Restraints

Figure 92. Microencapsulated Imidazole Curing Agent Market Trends

Figure 93. Porters Five Forces Analysis

Figure 94. Manufacturing Cost Structure Analysis of Microencapsulated Imidazole Curing Agent in 2025

Figure 95. Manufacturing Process Analysis of Microencapsulated Imidazole Curing Agent

Figure 96. Microencapsulated Imidazole Curing Agent Industrial Chain

Figure 97. Sales Channel: Direct to End-User vs Distributors

Figure 98. Direct Channel Pros & Cons

Figure 99. Indirect Channel Pros & Cons

Figure 100. Methodology

Figure 101. Research Process and Data Source

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