

Zinc Chloride Global Market Insights 2025, Analysis and Forecast to 2030, by Manufacturers, Regions, Technology, Application

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Abstracts

Zinc Chloride Market Summary

Introduction

Zinc Chloride is a white crystalline compound used in zinc plating, water treatment, catalysts, and other applications, valued for its solubility, corrosiveness, and catalytic properties. The industry is characterized by its role in industrial processes, particularly in metal treatment and chemical synthesis. Key trends include the adoption of eco-friendly water treatment solutions, increased demand for high-purity zinc chloride in catalysts, and advancements in zinc plating for corrosion resistance. The market is driven by global industrial growth, particularly in Asia Pacific, where manufacturing and infrastructure sectors are expanding, and by rising demand for sustainable chemical solutions.

Market Size and Growth Forecast

The global Zinc Chloride market was valued at USD 260–430 million in 2024, with an estimated CAGR of 3.8%–5.8% from 2025 to 2030, driven by demand in zinc plating and water treatment.

Regional Analysis

North America is projected to grow at a CAGR of 3.5%–5.5%, with the U.S. leading due to its water treatment and industrial sectors, focusing on high-purity zinc chloride.

Europe is expected to achieve a CAGR of 3.3%–5.3%, with Germany driving demand through its emphasis on catalyst applications.

Asia Pacific is anticipated to record the highest growth at 4.0%–6.0%, led by China and India, where industrial and infrastructure projects fuel demand, with trends toward eco-friendly solutions.

Rest of the World, particularly Brazil, is expected to grow at 3.0%–5.0%, with trends toward zinc plating for industrial applications.

Application Analysis

Zinc plating and soldering applications are estimated to grow at a CAGR of 4.0%–6.0%, driven by corrosion resistance needs, with trends toward eco-friendly coatings.

Water treatment applications are projected to grow at 3.8%–5.8%, valued for chemical stability, with innovations in sustainable solutions.

Catalyst applications are expected to grow at 3.5%–5.5%, critical for chemical synthesis, with advancements in high-efficiency catalysts.

Other applications, including agriculture, are projected to grow at 3.3%–5.3%, with trends toward nutrient additives.

Key Market Players

Pan-Continental Chemical, headquartered in Taoyuan, Taiwan, produces zinc chloride for water treatment, known for its high-purity solutions.

Toshin Chemical Industry, based in Tokyo, Japan, offers zinc chloride for catalysts, emphasizing precision manufacturing.

Dongtai Coastal Zinc Industry Group, headquartered in Dongtai, China, provides zinc chloride for zinc plating, focusing on large-scale production.

Huai'an Baoguo Chemical, based in Huai'an, China, produces zinc chloride for water treatment, known for its industrial applications.

Pinkto Chemicals, headquartered in Kolkata, India, offers zinc chloride for catalysts,

emphasizing cost-competitive solutions.

Porter's Five Forces Analysis

The threat of new entrants is low; high production costs and regulatory barriers create significant entry barriers.

The threat of substitutes is moderate; alternative chemicals like magnesium chloride compete, but zinc chloride's properties maintain its edge.

Buyer power is moderate; industrial clients negotiate pricing, but specialized applications limit leverage.

Supplier power is low; zinc raw materials are widely available, reducing supplier influence.

Competitive rivalry is moderate; players differentiate through purity and application-specific innovations.

Market Opportunities and Challenges

Opportunities

Growing industrial and infrastructure sectors drive demand for zinc chloride in zinc plating.

Increasing focus on sustainable water treatment solutions enhances market potential.

Emerging markets in Asia Pacific offer growth due to manufacturing expansion.

Challenges

Stringent environmental regulations increase production costs.

Fluctuating zinc prices impact profitability.

Technical expertise requirements for high-purity grades pose challenges.

Growth Trend Analysis

The Zinc Chloride market is growing steadily, driven by industrial demands. Huai'an Baoguo Chemical currently has a zinc chloride capacity of 1,000 tons, focusing on water treatment. Jinhong Chemical and Jinzhou Jitian Zinc Industry each maintain a capacity of 12,000 tons, emphasizing catalyst and zinc plating applications. Dongtai Coastal Zinc Industry Group holds a capacity of 35,000 tons, reinforcing its leadership in zinc plating. These developments align with a projected CAGR of 3.8%–5.8% through 2030, reflecting the industry's focus on sustainability and industrial applications.

Contents

CHAPTER 1 EXECUTIVE SUMMARY

CHAPTER 2 ABBREVIATION AND ACRONYMS

CHAPTER 3 PREFACE

- 3.1 Research Scope
- 3.2 Research Sources
 - 3.2.1 Data Sources
 - 3.2.2 Assumptions
- 3.3 Research Method

CHAPTER 4 MARKET LANDSCAPE

- 4.1 Market Overview
- 4.2 Classification/Types
- 4.3 Application/End Users

CHAPTER 5 MARKET TREND ANALYSIS

- 5.1 Introduction
- 5.2 Drivers
- 5.3 Restraints
- 5.4 Opportunities
- 5.5 Threats

CHAPTER 6 INDUSTRY CHAIN ANALYSIS

- 6.1 Upstream/Suppliers Analysis
- 6.2 Zinc Chloride Analysis
 - 6.2.1 Technology Analysis
 - 6.2.2 Cost Analysis
 - 6.2.3 Market Channel Analysis
- 6.3 Downstream Buyers/End Users

CHAPTER 7 LATEST MARKET DYNAMICS

- 7.1 Latest News
- 7.2 Merger and Acquisition
- 7.3 Planned/Future Project
- 7.4 Policy Dynamics

CHAPTER 8 TRADING ANALYSIS

- 8.1 Export of Zinc Chloride by Region
- 8.2 Import of Zinc Chloride by Region
- 8.3 Balance of Trade

CHAPTER 9 HISTORICAL AND FORECAST ZINC CHLORIDE MARKET IN NORTH AMERICA (2020-2030)

- 9.1 Zinc Chloride Market Size
- 9.2 Zinc Chloride Demand by End Use
- 9.3 Competition by Players/Suppliers
- 9.4 Type Segmentation and Price
- 9.5 Key Countries Analysis
 - 9.5.1 United States
 - 9.5.2 Canada
 - 9.5.3 Mexico

CHAPTER 10 HISTORICAL AND FORECAST ZINC CHLORIDE MARKET IN SOUTH AMERICA (2020-2030)

- 10.1 Zinc Chloride Market Size
- 10.2 Zinc Chloride Demand by End Use
- 10.3 Competition by Players/Suppliers
- 10.4 Type Segmentation and Price
- 10.5 Key Countries Analysis
 - 10.5.1 Brazil
 - 10.5.2 Argentina
 - 10.5.3 Chile
 - 10.5.4 Peru

CHAPTER 11 HISTORICAL AND FORECAST ZINC CHLORIDE MARKET IN ASIA & PACIFIC (2020-2030)

- 11.1 Zinc Chloride Market Size
- 11.2 Zinc Chloride Demand by End Use
- 11.3 Competition by Players/Suppliers
- 11.4 Type Segmentation and Price
- 11.5 Key Countries Analysis
 - 11.5.1 China
 - 11.5.2 India
 - 11.5.3 Japan
 - 11.5.4 South Korea
 - 11.5.5 Southeast Asia
 - 11.5.6 Australia

CHAPTER 12 HISTORICAL AND FORECAST ZINC CHLORIDE MARKET IN EUROPE (2020-2030)

- 12.1 Zinc Chloride Market Size
- 12.2 Zinc Chloride Demand by End Use
- 12.3 Competition by Players/Suppliers
- 12.4 Type Segmentation and Price
- 12.5 Key Countries Analysis
 - 12.5.1 Germany
 - 12.5.2 France
 - 12.5.3 United Kingdom
 - 12.5.4 Italy
 - 12.5.5 Spain
 - 12.5.6 Belgium
 - 12.5.7 Netherlands
 - 12.5.8 Austria
 - 12.5.9 Poland
 - 12.5.10 Russia

CHAPTER 13 HISTORICAL AND FORECAST ZINC CHLORIDE MARKET IN MEA (2020-2030)

- 13.1 Zinc Chloride Market Size
- 13.2 Zinc Chloride Demand by End Use
- 13.3 Competition by Players/Suppliers
- 13.4 Type Segmentation and Price
- 13.5 Key Countries Analysis

- 13.5.1 Egypt
- 13.5.2 Israel
- 13.5.3 South Africa
- 13.5.4 Gulf Cooperation Council Countries
- 13.5.5 Turkey

CHAPTER 14 SUMMARY FOR GLOBAL ZINC CHLORIDE MARKET (2020-2025)

- 14.1 Zinc Chloride Market Size
- 14.2 Zinc Chloride Demand by End Use
- 14.3 Competition by Players/Suppliers
- 14.4 Type Segmentation and Price

CHAPTER 15 GLOBAL ZINC CHLORIDE MARKET FORECAST (2025-2030)

- 15.1 Zinc Chloride Market Size Forecast
- 15.2 Zinc Chloride Demand Forecast
- 15.3 Competition by Players/Suppliers
- 15.4 Type Segmentation and Price Forecast

CHAPTER 16 ANALYSIS OF GLOBAL KEY VENDORS

- 16.1 Pan-Continental Chemical
 - 16.1.1 Company Profile
 - 16.1.2 Main Business and Zinc Chloride Information
 - 16.1.3 SWOT Analysis of Pan-Continental Chemical
 - 16.1.4 Pan-Continental Chemical Zinc Chloride Sales, Revenue, Price and Gross Margin (2020-2025)
- 16.2 Toshin Chemical Industry
 - 16.2.1 Company Profile
 - 16.2.2 Main Business and Zinc Chloride Information
 - 16.2.3 SWOT Analysis of Toshin Chemical Industry
 - 16.2.4 Toshin Chemical Industry Zinc Chloride Sales, Revenue, Price and Gross Margin (2020-2025)
- 16.3 Dongtai Coastal Zinc Industry Group
 - 16.3.1 Company Profile
 - 16.3.2 Main Business and Zinc Chloride Information
 - 16.3.3 SWOT Analysis of Dongtai Coastal Zinc Industry Group
 - 16.3.4 Dongtai Coastal Zinc Industry Group Zinc Chloride Sales, Revenue, Price and

Gross Margin (2020-2025)

16.4 Huai'an Baoguo Chemical

16.4.1 Company Profile

16.4.2 Main Business and Zinc Chloride Information

16.4.3 SWOT Analysis of Huai'an Baoguo Chemical

16.4.4 Huai'an Baoguo Chemical Zinc Chloride Sales, Revenue, Price and Gross Margin (2020-2025)

16.5 Pinkto Chemicals

16.5.1 Company Profile

16.5.2 Main Business and Zinc Chloride Information

16.5.3 SWOT Analysis of Pinkto Chemicals

16.5.4 Pinkto Chemicals Zinc Chloride Sales, Revenue, Price and Gross Margin (2020-2025)

Please ask for sample pages for full companies list

Tables & Figures

TABLES AND FIGURES

Table Abbreviation and Acronyms List
Table Research Scope of Zinc Chloride Report
Table Data Sources of Zinc Chloride Report
Table Major Assumptions of Zinc Chloride Report
Figure Market Size Estimated Method
Figure Major Forecasting Factors
Figure Zinc Chloride Picture
Table Zinc Chloride Classification
Table Zinc Chloride Applications List
Table Drivers of Zinc Chloride Market
Table Restraints of Zinc Chloride Market
Table Opportunities of Zinc Chloride Market
Table Threats of Zinc Chloride Market
Table Raw Materials Suppliers List
Table Different Production Methods of Zinc Chloride
Table Cost Structure Analysis of Zinc Chloride
Table Key End Users List
Table Latest News of Zinc Chloride Market
Table Merger and Acquisition List
Table Planned/Future Project of Zinc Chloride Market
Table Policy of Zinc Chloride Market
Table 2020-2030 Regional Export of Zinc Chloride
Table 2020-2030 Regional Import of Zinc Chloride
Table 2020-2030 Regional Trade Balance
Figure 2020-2030 Regional Trade Balance
Table 2020-2030 North America Zinc Chloride Market Size and Market Volume List
Figure 2020-2030 North America Zinc Chloride Market Size and CAGR
Figure 2020-2030 North America Zinc Chloride Market Volume and CAGR
Table 2020-2030 North America Zinc Chloride Demand List by Application
Table 2020-2025 North America Zinc Chloride Key Players Sales List
Table 2020-2025 North America Zinc Chloride Key Players Market Share List
Table 2020-2030 North America Zinc Chloride Demand List by Type
Table 2020-2025 North America Zinc Chloride Price List by Type
Table 2020-2030 United States Zinc Chloride Market Size and Market Volume List
Table 2020-2030 United States Zinc Chloride Import & Export List

Table 2020-2030 Canada Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Canada Zinc Chloride Import & Export List
Table 2020-2030 Mexico Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Mexico Zinc Chloride Import & Export List
Table 2020-2030 South America Zinc Chloride Market Size and Market Volume List
Figure 2020-2030 South America Zinc Chloride Market Size and CAGR
Figure 2020-2030 South America Zinc Chloride Market Volume and CAGR
Table 2020-2030 South America Zinc Chloride Demand List by Application
Table 2020-2025 South America Zinc Chloride Key Players Sales List
Table 2020-2025 South America Zinc Chloride Key Players Market Share List
Table 2020-2030 South America Zinc Chloride Demand List by Type
Table 2020-2025 South America Zinc Chloride Price List by Type
Table 2020-2030 Brazil Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Brazil Zinc Chloride Import & Export List
Table 2020-2030 Argentina Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Argentina Zinc Chloride Import & Export List
Table 2020-2030 Chile Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Chile Zinc Chloride Import & Export List
Table 2020-2030 Peru Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Peru Zinc Chloride Import & Export List
Table 2020-2030 Asia & Pacific Zinc Chloride Market Size and Market Volume List
Figure 2020-2030 Asia & Pacific Zinc Chloride Market Size and CAGR
Figure 2020-2030 Asia & Pacific Zinc Chloride Market Volume and CAGR
Table 2020-2030 Asia & Pacific Zinc Chloride Demand List by Application
Table 2020-2025 Asia & Pacific Zinc Chloride Key Players Sales List
Table 2020-2025 Asia & Pacific Zinc Chloride Key Players Market Share List
Table 2020-2030 Asia & Pacific Zinc Chloride Demand List by Type
Table 2020-2025 Asia & Pacific Zinc Chloride Price List by Type
Table 2020-2030 China Zinc Chloride Market Size and Market Volume List
Table 2020-2030 China Zinc Chloride Import & Export List
Table 2020-2030 India Zinc Chloride Market Size and Market Volume List
Table 2020-2030 India Zinc Chloride Import & Export List
Table 2020-2030 Japan Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Japan Zinc Chloride Import & Export List
Table 2020-2030 South Korea Zinc Chloride Market Size and Market Volume List
Table 2020-2030 South Korea Zinc Chloride Import & Export List
Table 2020-2030 Southeast Asia Zinc Chloride Market Size List
Table 2020-2030 Southeast Asia Zinc Chloride Market Volume List
Table 2020-2030 Southeast Asia Zinc Chloride Import List

Table 2020-2030 Southeast Asia Zinc Chloride Export List
Table 2020-2030 Australia Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Australia Zinc Chloride Import & Export List
Table 2020-2030 Europe Zinc Chloride Market Size and Market Volume List
Figure 2020-2030 Europe Zinc Chloride Market Size and CAGR
Figure 2020-2030 Europe Zinc Chloride Market Volume and CAGR
Table 2020-2030 Europe Zinc Chloride Demand List by Application
Table 2020-2025 Europe Zinc Chloride Key Players Sales List
Table 2020-2025 Europe Zinc Chloride Key Players Market Share List
Table 2020-2030 Europe Zinc Chloride Demand List by Type
Table 2020-2025 Europe Zinc Chloride Price List by Type
Table 2020-2030 Germany Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Germany Zinc Chloride Import & Export List
Table 2020-2030 France Zinc Chloride Market Size and Market Volume List
Table 2020-2030 France Zinc Chloride Import & Export List
Table 2020-2030 United Kingdom Zinc Chloride Market Size and Market Volume List
Table 2020-2030 United Kingdom Zinc Chloride Import & Export List
Table 2020-2030 Italy Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Italy Zinc Chloride Import & Export List
Table 2020-2030 Spain Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Spain Zinc Chloride Import & Export List
Table 2020-2030 Belgium Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Belgium Zinc Chloride Import & Export List
Table 2020-2030 Netherlands Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Netherlands Zinc Chloride Import & Export List
Table 2020-2030 Austria Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Austria Zinc Chloride Import & Export List
Table 2020-2030 Poland Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Poland Zinc Chloride Import & Export List
Table 2020-2030 Russia Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Russia Zinc Chloride Import & Export List
Table 2020-2030 MEA Zinc Chloride Market Size and Market Volume List
Figure 2020-2030 MEA Zinc Chloride Market Size and CAGR
Figure 2020-2030 MEA Zinc Chloride Market Volume and CAGR
Table 2020-2030 MEA Zinc Chloride Demand List by Application
Table 2020-2025 MEA Zinc Chloride Key Players Sales List
Table 2020-2025 MEA Zinc Chloride Key Players Market Share List
Table 2020-2030 MEA Zinc Chloride Demand List by Type
Table 2020-2025 MEA Zinc Chloride Price List by Type

Table 2020-2030 Egypt Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Egypt Zinc Chloride Import & Export List
Table 2020-2030 Israel Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Israel Zinc Chloride Import & Export List
Table 2020-2030 South Africa Zinc Chloride Market Size and Market Volume List
Table 2020-2030 South Africa Zinc Chloride Import & Export List
Table 2020-2030 Gulf Cooperation Council Countries Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Gulf Cooperation Council Countries Zinc Chloride Import & Export List
Table 2020-2030 Turkey Zinc Chloride Market Size and Market Volume List
Table 2020-2030 Turkey Zinc Chloride Import & Export List
Table 2020-2025 Global Zinc Chloride Market Size List by Region
Table 2020-2025 Global Zinc Chloride Market Size Share List by Region
Table 2020-2025 Global Zinc Chloride Market Volume List by Region
Table 2020-2025 Global Zinc Chloride Market Volume Share List by Region
Table 2020-2025 Global Zinc Chloride Demand List by Application
Table 2020-2025 Global Zinc Chloride Demand Market Share List by Application
Table 2020-2025 Global Zinc Chloride Capacity List
Table 2020-2025 Global Zinc Chloride Key Vendors Capacity Share List
Table 2020-2025 Global Zinc Chloride Key Vendors Production List
Table 2020-2025 Global Zinc Chloride Key Vendors Production Share List
Figure 2020-2025 Global Zinc Chloride Capacity Production and Growth Rate
Table 2020-2025 Global Zinc Chloride Key Vendors Production Value List
Figure 2020-2025 Global Zinc Chloride Production Value and Growth Rate
Table 2020-2025 Global Zinc Chloride Key Vendors Production Value Share List
Table 2020-2025 Global Zinc Chloride Demand List by Type
Table 2020-2025 Global Zinc Chloride Demand Market Share List by Type
Table 2020-2025 Regional Zinc Chloride Price List
Table 2025-2030 Global Zinc Chloride Market Size List by Region
Table 2025-2030 Global Zinc Chloride Market Size Share List by Region
Table 2025-2030 Global Zinc Chloride Market Volume List by Region
Table 2025-2030 Global Zinc Chloride Market Volume Share List by Region
Table 2025-2030 Global Zinc Chloride Demand List by Application
Table 2025-2030 Global Zinc Chloride Demand Market Share List by Application
Table 2025-2030 Global Zinc Chloride Capacity List
Table 2025-2030 Global Zinc Chloride Key Vendors Capacity Share List
Table 2025-2030 Global Zinc Chloride Key Vendors Production List
Table 2025-2030 Global Zinc Chloride Key Vendors Production Share List
Figure 2025-2030 Global Zinc Chloride Capacity Production and Growth Rate

Table 2025-2030 Global Zinc Chloride Key Vendors Production Value List
Figure 2025-2030 Global Zinc Chloride Production Value and Growth Rate
Table 2025-2030 Global Zinc Chloride Key Vendors Production Value Share List
Table 2025-2030 Global Zinc Chloride Demand List by Type
Table 2025-2030 Global Zinc Chloride Demand Market Share List by Type
Table 2025-2030 Zinc Chloride Regional Price List
Table Pan-Continental Chemical Information
Table SWOT Analysis of Pan-Continental Chemical
Table 2020-2025 Pan-Continental Chemical Zinc Chloride Product Capacity Production Price Cost Production Value
Figure 2020-2025 Pan-Continental Chemical Zinc Chloride Capacity Production and Growth Rate
Figure 2020-2025 Pan-Continental Chemical Zinc Chloride Market Share
Table Toshin Chemical Industry Information
Table SWOT Analysis of Toshin Chemical Industry
Table 2020-2025 Toshin Chemical Industry Zinc Chloride Product Capacity Production Price Cost Production Value
Figure 2020-2025 Toshin Chemical Industry Zinc Chloride Capacity Production and Growth Rate
Figure 2020-2025 Toshin Chemical Industry Zinc Chloride Market Share
Table Dongtai Coastal Zinc Industry Group Information
Table SWOT Analysis of Dongtai Coastal Zinc Industry Group
Table 2020-2025 Dongtai Coastal Zinc Industry Group Zinc Chloride Product Capacity Production Price Cost Production Value
Figure 2020-2025 Dongtai Coastal Zinc Industry Group Zinc Chloride Capacity Production and Growth Rate
Figure 2020-2025 Dongtai Coastal Zinc Industry Group Zinc Chloride Market Share
Table Huai'an Baoguo Chemical Information
Table SWOT Analysis of Huai'an Baoguo Chemical
Table 2020-2025 Huai'an Baoguo Chemical Zinc Chloride Product Capacity Production Price Cost Production Value
Figure 2020-2025 Huai'an Baoguo Chemical Zinc Chloride Capacity Production and Growth Rate
Figure 2020-2025 Huai'an Baoguo Chemical Zinc Chloride Market Share
Table Pinkto Chemicals Information
Table SWOT Analysis of Pinkto Chemicals
Table 2020-2025 Pinkto Chemicals Zinc Chloride Product Capacity Production Price Cost Production Value
Figure 2020-2025 Pinkto Chemicals Zinc Chloride Capacity Production and Growth

Rate

Figure 2020-2025 Pinkto Chemicals Zinc Chloride Market Share

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