

# Global Phosphating Solution & Phosphorizing Liquid Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G7BBA2AF74EDEN.html>

Date: June 2026

Pages: 165

Price: US\$ 4,480.00 (Single User License)

ID: G7BBA2AF74EDEN

## Abstracts

The global Phosphating Solution & Phosphorizing Liquid market size is expected to reach \$ 653 million by 2032, rising at a market growth of 3.3% CAGR during the forecast period (2026-2032).

In 2025, global production of phosphating solutions is projected to reach 258,200 tons, with an average selling price of \$1,960 per ton. The global annual production capacity for phosphating solutions stands at approximately 400,000 tons, with a gross profit margin of approximately 24.7%. Phosphating solution (or phosphating treatment fluid) is a chemical solution utilized in metal surface treatment processes; its purpose is to form a phosphorus-containing protective coating on the metal surface, thereby enhancing corrosion resistance, adhesion, and—in the case of black phosphating—aesthetic finish. It is frequently employed in the pre-treatment of steel materials. Common application scenarios include surface pre-treatment and underlayer preparation prior to coating in sectors such as automotive, machinery, tools, and molds. Upstream suppliers of phosphating solutions provide raw materials and basic chemicals, including: Acids and Alkaline Reagents—such as sulfuric acid, hydrochloric acid, nitric acid, and sodium hydroxide—which are used for formulating acidic or alkaline phosphating solutions and for process control; Phosphorus Sources and Phosphates—such as inorganic phosphates and trihydroxy phosphates—which serve as the primary source of phosphorus; Complexing Agents and Additives—including chelating agents, surfactants, retarders, scale inhibitors, and defoamers—which are utilized to improve coating structure, deposition uniformity, and equipment protection; and Metal Ion Sources—such as metal salts of iron, manganese, and chromium—which are used to regulate the composition, hardness, and anti-corrosion properties of the coating film. The midstream segment consists of the manufacturers of phosphating solutions, while downstream applications span industries such as automotive, shipbuilding, aerospace, and

machinery manufacturing.

The current market for phosphating solutions is at a critical juncture, marked by a transition between traditional practices and innovation. In terms of the competitive landscape, the market exhibits a stratified structure: international giants dominate the high-end segment, leveraging their advantages in branding and technology, while numerous domestic enterprises compete primarily on price and service flexibility; meanwhile, industry concentration is gradually increasing. On the technological front, the sector faces significant pressure to undergo a 'green transition.' Traditional zinc- and manganese-based products are confronting severe challenges posed by environmental regulations, thereby driving the emergence of eco-friendly solutions—such as low-sludge, nickel-free, and low-temperature formulations—as well as novel conversion coating technologies (e.g., silanes and nanoceramics) capable of replacing traditional phosphating methods, which are gradually becoming the market mainstream. On the demand side, the market remains stable; traditional sectors such as automotive manufacturing and home appliances continue to serve as the foundational base, while emerging fields—including electric vehicles and renewable energy equipment—are injecting fresh vitality into the market.

This report studies the global Phosphating Solution & Phosphorizing Liquid production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Phosphating Solution & Phosphorizing Liquid and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Phosphating Solution & Phosphorizing Liquid that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Phosphating Solution & Phosphorizing Liquid total production and demand, 2021-2032, (Kilotons)

Global Phosphating Solution & Phosphorizing Liquid total production value, 2021-2032, (USD Million)

Global Phosphating Solution & Phosphorizing Liquid production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Phosphating Solution & Phosphorizing Liquid consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Phosphating Solution & Phosphorizing Liquid domestic production, consumption, key domestic manufacturers and share

Global Phosphating Solution & Phosphorizing Liquid production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Phosphating Solution & Phosphorizing Liquid production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Phosphating Solution & Phosphorizing Liquid production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Phosphating Solution & Phosphorizing Liquid market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Henkel, BASF, Nihon Parkerizing, PPG, PMD Chemicals, Blast-Wash UK, Quaker Houghton, Nippon Paint, SG-Galvanobedarf, Sichuan Hengtong, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Phosphating Solution & Phosphorizing Liquid market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (USD/MT) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Phosphating Solution & Phosphorizing Liquid Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Phosphating Solution & Phosphorizing Liquid Market, Segmentation by Type:

Zinc-based

Iron-based

Zinc-iron-based

Manganese-based

Zinc-calcium-based

Zinc-manganese-based

Other

### Global Phosphating Solution & Phosphorizing Liquid Market, Segmentation by Temperature:

Medium-temperature Phosphate Treatment Solution

High-temperature Phosphate Treatment Solution

### Global Phosphating Solution & Phosphorizing Liquid Market, Segmentation by Phosphating Film Thickness:

Film Weight: 0.1–1.0 g/m<sup>2</sup>

Film Weight: 1.1–4.5 g/m?

Film Weight: >7.5 g/m?

Global Phosphating Solution & Phosphorizing Liquid Market, Segmentation by Application:

Automobiles

Shipbuilding

Aerospace

Machinery

Home Appliances

Other

Companies Profiled:

Henkel

BASF

Nihon Parkerizing

PPG

PMD Chemicals

Blast-Wash UK

Quaker Houghton

Nippon Paint

SG-Galvanobedarf

Sichuan Hengtong

Yingxing Metal Surface Treatment

Shenzhen Linda Fine Chemicals

Chongqing Changyu Metal Surface Treatment Technology

Jiaozuo Fubang Cleaning

Hunan Guterui New Materials Technology

Qingdao Ai Dasheng Environmental Protection Technology

Zhengbang Surface Treatment Agents

Julong Chemicals

Changzhou Junhe Technology

Changyi United Technology

Hubei Haili Environmental Protection

#### Key Questions Answered:

1. How big is the global Phosphating Solution & Phosphorizing Liquid market?
2. What is the demand of the global Phosphating Solution & Phosphorizing Liquid market?
3. What is the year over year growth of the global Phosphating Solution & Phosphorizing Liquid market?
4. What is the production and production value of the global Phosphating Solution & Phosphorizing Liquid market?
5. Who are the key producers in the global Phosphating Solution & Phosphorizing Liquid market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Phosphating Solution & Phosphorizing Liquid Introduction
- 1.2 World Phosphating Solution & Phosphorizing Liquid Supply & Forecast
  - 1.2.1 World Phosphating Solution & Phosphorizing Liquid Production Value (2021 & 2025 & 2032)
  - 1.2.2 World Phosphating Solution & Phosphorizing Liquid Production (2021-2032)
  - 1.2.3 World Phosphating Solution & Phosphorizing Liquid Pricing Trends (2021-2032)
- 1.3 World Phosphating Solution & Phosphorizing Liquid Production by Region (Based on Production Site)
  - 1.3.1 World Phosphating Solution & Phosphorizing Liquid Production Value by Region (2021-2032)
  - 1.3.2 World Phosphating Solution & Phosphorizing Liquid Production by Region (2021-2032)
  - 1.3.3 World Phosphating Solution & Phosphorizing Liquid Average Price by Region (2021-2032)
  - 1.3.4 North America Phosphating Solution & Phosphorizing Liquid Production (2021-2032)
  - 1.3.5 Europe Phosphating Solution & Phosphorizing Liquid Production (2021-2032)
  - 1.3.6 China Phosphating Solution & Phosphorizing Liquid Production (2021-2032)
  - 1.3.7 Japan Phosphating Solution & Phosphorizing Liquid Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Phosphating Solution & Phosphorizing Liquid Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Phosphating Solution & Phosphorizing Liquid Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World Phosphating Solution & Phosphorizing Liquid Demand (2021-2032)
- 2.2 World Phosphating Solution & Phosphorizing Liquid Consumption by Region
  - 2.2.1 World Phosphating Solution & Phosphorizing Liquid Consumption by Region (2021-2026)
  - 2.2.2 World Phosphating Solution & Phosphorizing Liquid Consumption Forecast by Region (2027-2032)
- 2.3 United States Phosphating Solution & Phosphorizing Liquid Consumption (2021-2032)
- 2.4 China Phosphating Solution & Phosphorizing Liquid Consumption (2021-2032)

2.5 Europe Phosphating Solution & Phosphorizing Liquid Consumption (2021-2032)

2.6 Japan Phosphating Solution & Phosphorizing Liquid Consumption (2021-2032)

2.7 South Korea Phosphating Solution & Phosphorizing Liquid Consumption  
(2021-2032)

2.8 ASEAN Phosphating Solution & Phosphorizing Liquid Consumption (2021-2032)

2.9 India Phosphating Solution & Phosphorizing Liquid Consumption (2021-2032)

### **3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS**

3.1 World Phosphating Solution & Phosphorizing Liquid Production Value by  
Manufacturer (2021-2026)

3.2 World Phosphating Solution & Phosphorizing Liquid Production by Manufacturer  
(2021-2026)

3.3 World Phosphating Solution & Phosphorizing Liquid Average Price by Manufacturer  
(2021-2026)

3.4 Phosphating Solution & Phosphorizing Liquid Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Phosphating Solution & Phosphorizing Liquid Industry Rank of Major  
Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Phosphating Solution & Phosphorizing  
Liquid in 2025

3.5.3 Global Concentration Ratios (CR8) for Phosphating Solution & Phosphorizing  
Liquid in 2025

3.6 Phosphating Solution & Phosphorizing Liquid Market: Overall Company Footprint  
Analysis

3.6.1 Phosphating Solution & Phosphorizing Liquid Market: Region Footprint

3.6.2 Phosphating Solution & Phosphorizing Liquid Market: Company Product Type  
Footprint

3.6.3 Phosphating Solution & Phosphorizing Liquid Market: Company Product  
Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

### **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

#### 4.1 United States VS China: Phosphating Solution & Phosphorizing Liquid Production Value Comparison

4.1.1 United States VS China: Phosphating Solution & Phosphorizing Liquid Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Phosphating Solution & Phosphorizing Liquid Production Value Market Share Comparison (2021 & 2025 & 2032)

#### 4.2 United States VS China: Phosphating Solution & Phosphorizing Liquid Production Comparison

4.2.1 United States VS China: Phosphating Solution & Phosphorizing Liquid Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Phosphating Solution & Phosphorizing Liquid Production Market Share Comparison (2021 & 2025 & 2032)

#### 4.3 United States VS China: Phosphating Solution & Phosphorizing Liquid Consumption Comparison

4.3.1 United States VS China: Phosphating Solution & Phosphorizing Liquid Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Phosphating Solution & Phosphorizing Liquid Consumption Market Share Comparison (2021 & 2025 & 2032)

#### 4.4 United States Based Phosphating Solution & Phosphorizing Liquid Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Phosphating Solution & Phosphorizing Liquid Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production Value (2021-2026)

4.4.3 United States Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production (2021-2026)

#### 4.5 China Based Phosphating Solution & Phosphorizing Liquid Manufacturers and Market Share

4.5.1 China Based Phosphating Solution & Phosphorizing Liquid Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production Value (2021-2026)

4.5.3 China Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production (2021-2026)

#### 4.6 Rest of World Based Phosphating Solution & Phosphorizing Liquid Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Phosphating Solution & Phosphorizing Liquid Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Phosphating Solution & Phosphorizing

Liquid Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Phosphating Solution & Phosphorizing  
Liquid Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World Phosphating Solution & Phosphorizing Liquid Market Size Overview by Type:  
2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Zinc-based

5.2.2 Iron-based

5.2.3 Zinc-iron-based

5.2.4 Manganese-based

5.2.5 Zinc-calcium-based

5.2.6 Zinc-manganese-based

5.2.7 Other

5.3 Market Segment by Type

5.3.1 World Phosphating Solution & Phosphorizing Liquid Production by Type  
(2021-2032)

5.3.2 World Phosphating Solution & Phosphorizing Liquid Production Value by Type  
(2021-2032)

5.3.3 World Phosphating Solution & Phosphorizing Liquid Average Price by Type  
(2021-2032)

## **6 MARKET ANALYSIS BY TEMPERATURE**

6.1 World Phosphating Solution & Phosphorizing Liquid Market Size Overview by  
Temperature: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Temperature

6.2.1 Medium-temperature Phosphate Treatment Solution

6.2.2 High-temperature Phosphate Treatment Solution

6.3 Market Segment by Temperature

6.3.1 World Phosphating Solution & Phosphorizing Liquid Production by Temperature  
(2021-2032)

6.3.2 World Phosphating Solution & Phosphorizing Liquid Production Value by  
Temperature (2021-2032)

6.3.3 World Phosphating Solution & Phosphorizing Liquid Average Price by  
Temperature (2021-2032)

## **7 MARKET ANALYSIS BY PHOSPHATING FILM THICKNESS**

7.1 World Phosphating Solution & Phosphorizing Liquid Market Size Overview by Phosphating Film Thickness: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Phosphating Film Thickness

7.2.1 Film Weight: 0.1–1.0 g/m?

7.2.2 Film Weight: 1.1–4.5 g/m?

7.2.3 Film Weight: >7.5 g/m?

7.3 Market Segment by Phosphating Film Thickness

7.3.1 World Phosphating Solution & Phosphorizing Liquid Production by Phosphating Film Thickness (2021-2032)

7.3.2 World Phosphating Solution & Phosphorizing Liquid Production Value by Phosphating Film Thickness (2021-2032)

7.3.3 World Phosphating Solution & Phosphorizing Liquid Average Price by Phosphating Film Thickness (2021-2032)

## **8 MARKET ANALYSIS BY APPLICATION**

8.1 World Phosphating Solution & Phosphorizing Liquid Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Automobiles

8.2.2 Shipbuilding

8.2.3 Aerospace

8.2.4 Machinery

8.2.5 Home Appliances

8.2.6 Other

8.3 Market Segment by Application

8.3.1 World Phosphating Solution & Phosphorizing Liquid Production by Application (2021-2032)

8.3.2 World Phosphating Solution & Phosphorizing Liquid Production Value by Application (2021-2032)

8.3.3 World Phosphating Solution & Phosphorizing Liquid Average Price by Application (2021-2032)

## **9 COMPANY PROFILES**

9.1 Henkel

9.1.1 Henkel Details

- 9.1.2 Henkel Major Business
- 9.1.3 Henkel Phosphating Solution & Phosphorizing Liquid Product and Services
- 9.1.4 Henkel Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.1.5 Henkel Recent Developments/Updates
- 9.1.6 Henkel Competitive Strengths & Weaknesses
- 9.2 BASF
  - 9.2.1 BASF Details
  - 9.2.2 BASF Major Business
  - 9.2.3 BASF Phosphating Solution & Phosphorizing Liquid Product and Services
  - 9.2.4 BASF Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.2.5 BASF Recent Developments/Updates
  - 9.2.6 BASF Competitive Strengths & Weaknesses
- 9.3 Nihon Parkerizing
  - 9.3.1 Nihon Parkerizing Details
  - 9.3.2 Nihon Parkerizing Major Business
  - 9.3.3 Nihon Parkerizing Phosphating Solution & Phosphorizing Liquid Product and Services
  - 9.3.4 Nihon Parkerizing Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.3.5 Nihon Parkerizing Recent Developments/Updates
  - 9.3.6 Nihon Parkerizing Competitive Strengths & Weaknesses
- 9.4 PPG
  - 9.4.1 PPG Details
  - 9.4.2 PPG Major Business
  - 9.4.3 PPG Phosphating Solution & Phosphorizing Liquid Product and Services
  - 9.4.4 PPG Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.4.5 PPG Recent Developments/Updates
  - 9.4.6 PPG Competitive Strengths & Weaknesses
- 9.5 PMD Chemicals
  - 9.5.1 PMD Chemicals Details
  - 9.5.2 PMD Chemicals Major Business
  - 9.5.3 PMD Chemicals Phosphating Solution & Phosphorizing Liquid Product and Services
  - 9.5.4 PMD Chemicals Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.5.5 PMD Chemicals Recent Developments/Updates

- 9.5.6 PMD Chemicals Competitive Strengths & Weaknesses
- 9.6 Blast-Wash UK
  - 9.6.1 Blast-Wash UK Details
  - 9.6.2 Blast-Wash UK Major Business
  - 9.6.3 Blast-Wash UK Phosphating Solution & Phosphorizing Liquid Product and Services
  - 9.6.4 Blast-Wash UK Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.6.5 Blast-Wash UK Recent Developments/Updates
  - 9.6.6 Blast-Wash UK Competitive Strengths & Weaknesses
- 9.7 Quaker Houghton
  - 9.7.1 Quaker Houghton Details
  - 9.7.2 Quaker Houghton Major Business
  - 9.7.3 Quaker Houghton Phosphating Solution & Phosphorizing Liquid Product and Services
  - 9.7.4 Quaker Houghton Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.7.5 Quaker Houghton Recent Developments/Updates
  - 9.7.6 Quaker Houghton Competitive Strengths & Weaknesses
- 9.8 Nippon Paint
  - 9.8.1 Nippon Paint Details
  - 9.8.2 Nippon Paint Major Business
  - 9.8.3 Nippon Paint Phosphating Solution & Phosphorizing Liquid Product and Services
  - 9.8.4 Nippon Paint Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.8.5 Nippon Paint Recent Developments/Updates
  - 9.8.6 Nippon Paint Competitive Strengths & Weaknesses
- 9.9 SG-Galvanobedarf
  - 9.9.1 SG-Galvanobedarf Details
  - 9.9.2 SG-Galvanobedarf Major Business
  - 9.9.3 SG-Galvanobedarf Phosphating Solution & Phosphorizing Liquid Product and Services
  - 9.9.4 SG-Galvanobedarf Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.9.5 SG-Galvanobedarf Recent Developments/Updates
  - 9.9.6 SG-Galvanobedarf Competitive Strengths & Weaknesses
- 9.10 Sichuan Hengtong
  - 9.10.1 Sichuan Hengtong Details
  - 9.10.2 Sichuan Hengtong Major Business

9.10.3 Sichuan Hengtong Phosphating Solution & Phosphorizing Liquid Product and Services

9.10.4 Sichuan Hengtong Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.10.5 Sichuan Hengtong Recent Developments/Updates

9.10.6 Sichuan Hengtong Competitive Strengths & Weaknesses

9.11 Yingxing Metal Surface Treatment

9.11.1 Yingxing Metal Surface Treatment Details

9.11.2 Yingxing Metal Surface Treatment Major Business

9.11.3 Yingxing Metal Surface Treatment Phosphating Solution & Phosphorizing Liquid Product and Services

9.11.4 Yingxing Metal Surface Treatment Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.11.5 Yingxing Metal Surface Treatment Recent Developments/Updates

9.11.6 Yingxing Metal Surface Treatment Competitive Strengths & Weaknesses

9.12 Shenzhen Linda Fine Chemicals

9.12.1 Shenzhen Linda Fine Chemicals Details

9.12.2 Shenzhen Linda Fine Chemicals Major Business

9.12.3 Shenzhen Linda Fine Chemicals Phosphating Solution & Phosphorizing Liquid Product and Services

9.12.4 Shenzhen Linda Fine Chemicals Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.12.5 Shenzhen Linda Fine Chemicals Recent Developments/Updates

9.12.6 Shenzhen Linda Fine Chemicals Competitive Strengths & Weaknesses

9.13 Chongqing Changyu Metal Surface Treatment Technology

9.13.1 Chongqing Changyu Metal Surface Treatment Technology Details

9.13.2 Chongqing Changyu Metal Surface Treatment Technology Major Business

9.13.3 Chongqing Changyu Metal Surface Treatment Technology Phosphating Solution & Phosphorizing Liquid Product and Services

9.13.4 Chongqing Changyu Metal Surface Treatment Technology Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.13.5 Chongqing Changyu Metal Surface Treatment Technology Recent Developments/Updates

9.13.6 Chongqing Changyu Metal Surface Treatment Technology Competitive Strengths & Weaknesses

9.14 Jiaozuo Fubang Cleaning

9.14.1 Jiaozuo Fubang Cleaning Details

9.14.2 Jiaozuo Fubang Cleaning Major Business

9.14.3 Jiaozuo Fubang Cleaning Phosphating Solution & Phosphorizing Liquid Product and Services

9.14.4 Jiaozuo Fubang Cleaning Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.14.5 Jiaozuo Fubang Cleaning Recent Developments/Updates

9.14.6 Jiaozuo Fubang Cleaning Competitive Strengths & Weaknesses

9.15 Hunan Guterui New Materials Technology

9.15.1 Hunan Guterui New Materials Technology Details

9.15.2 Hunan Guterui New Materials Technology Major Business

9.15.3 Hunan Guterui New Materials Technology Phosphating Solution & Phosphorizing Liquid Product and Services

9.15.4 Hunan Guterui New Materials Technology Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.15.5 Hunan Guterui New Materials Technology Recent Developments/Updates

9.15.6 Hunan Guterui New Materials Technology Competitive Strengths & Weaknesses

9.16 Qingdao Ai Dasheng Environmental Protection Technology

9.16.1 Qingdao Ai Dasheng Environmental Protection Technology Details

9.16.2 Qingdao Ai Dasheng Environmental Protection Technology Major Business

9.16.3 Qingdao Ai Dasheng Environmental Protection Technology Phosphating Solution & Phosphorizing Liquid Product and Services

9.16.4 Qingdao Ai Dasheng Environmental Protection Technology Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.16.5 Qingdao Ai Dasheng Environmental Protection Technology Recent Developments/Updates

9.16.6 Qingdao Ai Dasheng Environmental Protection Technology Competitive Strengths & Weaknesses

9.17 Zhengbang Surface Treatment Agents

9.17.1 Zhengbang Surface Treatment Agents Details

9.17.2 Zhengbang Surface Treatment Agents Major Business

9.17.3 Zhengbang Surface Treatment Agents Phosphating Solution & Phosphorizing Liquid Product and Services

9.17.4 Zhengbang Surface Treatment Agents Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.17.5 Zhengbang Surface Treatment Agents Recent Developments/Updates

9.17.6 Zhengbang Surface Treatment Agents Competitive Strengths & Weaknesses

9.18 Julong Chemicals

- 9.18.1 Julong Chemicals Details
- 9.18.2 Julong Chemicals Major Business
- 9.18.3 Julong Chemicals Phosphating Solution & Phosphorizing Liquid Product and Services
- 9.18.4 Julong Chemicals Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.18.5 Julong Chemicals Recent Developments/Updates
- 9.18.6 Julong Chemicals Competitive Strengths & Weaknesses
- 9.19 Changzhou Junhe Technology
  - 9.19.1 Changzhou Junhe Technology Details
  - 9.19.2 Changzhou Junhe Technology Major Business
  - 9.19.3 Changzhou Junhe Technology Phosphating Solution & Phosphorizing Liquid Product and Services
  - 9.19.4 Changzhou Junhe Technology Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.19.5 Changzhou Junhe Technology Recent Developments/Updates
  - 9.19.6 Changzhou Junhe Technology Competitive Strengths & Weaknesses
- 9.20 Changyi United Technology
  - 9.20.1 Changyi United Technology Details
  - 9.20.2 Changyi United Technology Major Business
  - 9.20.3 Changyi United Technology Phosphating Solution & Phosphorizing Liquid Product and Services
  - 9.20.4 Changyi United Technology Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.20.5 Changyi United Technology Recent Developments/Updates
  - 9.20.6 Changyi United Technology Competitive Strengths & Weaknesses
- 9.21 Hubei Haili Environmental Protection
  - 9.21.1 Hubei Haili Environmental Protection Details
  - 9.21.2 Hubei Haili Environmental Protection Major Business
  - 9.21.3 Hubei Haili Environmental Protection Phosphating Solution & Phosphorizing Liquid Product and Services
  - 9.21.4 Hubei Haili Environmental Protection Phosphating Solution & Phosphorizing Liquid Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.21.5 Hubei Haili Environmental Protection Recent Developments/Updates
  - 9.21.6 Hubei Haili Environmental Protection Competitive Strengths & Weaknesses

## **10 INDUSTRY CHAIN ANALYSIS**

### **10.1 Phosphating Solution & Phosphorizing Liquid Industry Chain**

## 10.2 Phosphating Solution & Phosphorizing Liquid Upstream Analysis

### 10.2.1 Phosphating Solution & Phosphorizing Liquid Core Raw Materials

### 10.2.2 Main Manufacturers of Phosphating Solution & Phosphorizing Liquid Core Raw Materials

## 10.3 Midstream Analysis

## 10.4 Downstream Analysis

## 10.5 Phosphating Solution & Phosphorizing Liquid Production Mode

## 10.6 Phosphating Solution & Phosphorizing Liquid Procurement Model

## 10.7 Phosphating Solution & Phosphorizing Liquid Industry Sales Model and Sales Channels

### 10.7.1 Phosphating Solution & Phosphorizing Liquid Sales Model

### 10.7.2 Phosphating Solution & Phosphorizing Liquid Typical Distributors

## **11 RESEARCH FINDINGS AND CONCLUSION**

## **12 APPENDIX**

### 12.1 Methodology

### 12.2 Research Process and Data Source

### 12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Phosphating Solution & Phosphorizing Liquid Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Phosphating Solution & Phosphorizing Liquid Production Value by Region (2021-2026) & (USD Million)

Table 3. World Phosphating Solution & Phosphorizing Liquid Production Value by Region (2027-2032) & (USD Million)

Table 4. World Phosphating Solution & Phosphorizing Liquid Production Value Market Share by Region (2021-2026)

Table 5. World Phosphating Solution & Phosphorizing Liquid Production Value Market Share by Region (2027-2032)

Table 6. World Phosphating Solution & Phosphorizing Liquid Production by Region (2021-2026) & (Kilotons)

Table 7. World Phosphating Solution & Phosphorizing Liquid Production by Region (2027-2032) & (Kilotons)

Table 8. World Phosphating Solution & Phosphorizing Liquid Production Market Share by Region (2021-2026)

Table 9. World Phosphating Solution & Phosphorizing Liquid Production Market Share by Region (2027-2032)

Table 10. World Phosphating Solution & Phosphorizing Liquid Average Price by Region (2021-2026) & (USD/MT)

Table 11. World Phosphating Solution & Phosphorizing Liquid Average Price by Region (2027-2032) & (USD/MT)

Table 12. Phosphating Solution & Phosphorizing Liquid Major Market Trends

Table 13. World Phosphating Solution & Phosphorizing Liquid Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Kilotons)

Table 14. World Phosphating Solution & Phosphorizing Liquid Consumption by Region (2021-2026) & (Kilotons)

Table 15. World Phosphating Solution & Phosphorizing Liquid Consumption Forecast by Region (2027-2032) & (Kilotons)

Table 16. World Phosphating Solution & Phosphorizing Liquid Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Phosphating Solution & Phosphorizing Liquid Producers in 2025

Table 18. World Phosphating Solution & Phosphorizing Liquid Production by Manufacturer (2021-2026) & (Kilotons)

Table 19. Production Market Share of Key Phosphating Solution & Phosphorizing Liquid Producers in 2025

Table 20. World Phosphating Solution & Phosphorizing Liquid Average Price by Manufacturer (2021-2026) & (USD/MT)

Table 21. Global Phosphating Solution & Phosphorizing Liquid Company Evaluation Quadrant

Table 22. World Phosphating Solution & Phosphorizing Liquid Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Phosphating Solution & Phosphorizing Liquid Production Site of Key Manufacturer

Table 24. Phosphating Solution & Phosphorizing Liquid Market: Company Product Type Footprint

Table 25. Phosphating Solution & Phosphorizing Liquid Market: Company Product Application Footprint

Table 26. Phosphating Solution & Phosphorizing Liquid Competitive Factors

Table 27. Phosphating Solution & Phosphorizing Liquid New Entrant and Capacity Expansion Plans

Table 28. Phosphating Solution & Phosphorizing Liquid Mergers & Acquisitions Activity

Table 29. United States VS China Phosphating Solution & Phosphorizing Liquid Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Phosphating Solution & Phosphorizing Liquid Production Comparison, (2021 & 2025 & 2032) & (Kilotons)

Table 31. United States VS China Phosphating Solution & Phosphorizing Liquid Consumption Comparison, (2021 & 2025 & 2032) & (Kilotons)

Table 32. United States Based Phosphating Solution & Phosphorizing Liquid Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production (2021-2026) & (Kilotons)

Table 36. United States Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production Market Share (2021-2026)

Table 37. China Based Phosphating Solution & Phosphorizing Liquid Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Phosphating Solution & Phosphorizing Liquid

Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production, (2021-2026) & (Kilotons)

Table 41. China Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production Market Share (2021-2026)

Table 42. Rest of World Based Phosphating Solution & Phosphorizing Liquid Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production, (2021-2026) & (Kilotons)

Table 46. Rest of World Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production Market Share (2021-2026)

Table 47. World Phosphating Solution & Phosphorizing Liquid Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Phosphating Solution & Phosphorizing Liquid Production by Type (2021-2026) & (Kilotons)

Table 49. World Phosphating Solution & Phosphorizing Liquid Production by Type (2027-2032) & (Kilotons)

Table 50. World Phosphating Solution & Phosphorizing Liquid Production Value by Type (2021-2026) & (USD Million)

Table 51. World Phosphating Solution & Phosphorizing Liquid Production Value by Type (2027-2032) & (USD Million)

Table 52. World Phosphating Solution & Phosphorizing Liquid Average Price by Type (2021-2026) & (USD/MT)

Table 53. World Phosphating Solution & Phosphorizing Liquid Average Price by Type (2027-2032) & (USD/MT)

Table 54. World Phosphating Solution & Phosphorizing Liquid Production Value by Temperature, (USD Million), 2021 & 2025 & 2032

Table 55. World Phosphating Solution & Phosphorizing Liquid Production by Temperature (2021-2026) & (Kilotons)

Table 56. World Phosphating Solution & Phosphorizing Liquid Production by Temperature (2027-2032) & (Kilotons)

Table 57. World Phosphating Solution & Phosphorizing Liquid Production Value by Temperature (2021-2026) & (USD Million)

Table 58. World Phosphating Solution & Phosphorizing Liquid Production Value by Temperature (2027-2032) & (USD Million)

Table 59. World Phosphating Solution & Phosphorizing Liquid Average Price by Temperature (2021-2026) & (USD/MT)

Table 60. World Phosphating Solution & Phosphorizing Liquid Average Price by Temperature (2027-2032) & (USD/MT)

Table 61. World Phosphating Solution & Phosphorizing Liquid Production Value by Phosphating Film Thickness, (USD Million), 2021 & 2025 & 2032

Table 62. World Phosphating Solution & Phosphorizing Liquid Production by Phosphating Film Thickness (2021-2026) & (Kilotons)

Table 63. World Phosphating Solution & Phosphorizing Liquid Production by Phosphating Film Thickness (2027-2032) & (Kilotons)

Table 64. World Phosphating Solution & Phosphorizing Liquid Production Value by Phosphating Film Thickness (2021-2026) & (USD Million)

Table 65. World Phosphating Solution & Phosphorizing Liquid Production Value by Phosphating Film Thickness (2027-2032) & (USD Million)

Table 66. World Phosphating Solution & Phosphorizing Liquid Average Price by Phosphating Film Thickness (2021-2026) & (USD/MT)

Table 67. World Phosphating Solution & Phosphorizing Liquid Average Price by Phosphating Film Thickness (2027-2032) & (USD/MT)

Table 68. World Phosphating Solution & Phosphorizing Liquid Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Phosphating Solution & Phosphorizing Liquid Production by Application (2021-2026) & (Kilotons)

Table 70. World Phosphating Solution & Phosphorizing Liquid Production by Application (2027-2032) & (Kilotons)

Table 71. World Phosphating Solution & Phosphorizing Liquid Production Value by Application (2021-2026) & (USD Million)

Table 72. World Phosphating Solution & Phosphorizing Liquid Production Value by Application (2027-2032) & (USD Million)

Table 73. World Phosphating Solution & Phosphorizing Liquid Average Price by Application (2021-2026) & (USD/MT)

Table 74. World Phosphating Solution & Phosphorizing Liquid Average Price by Application (2027-2032) & (USD/MT)

Table 75. Henkel Basic Information, Manufacturing Base and Competitors

Table 76. Henkel Major Business

Table 77. Henkel Phosphating Solution & Phosphorizing Liquid Product and Services

Table 78. Henkel Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Henkel Recent Developments/Updates

- Table 80. Henkel Competitive Strengths & Weaknesses
- Table 81. BASF Basic Information, Manufacturing Base and Competitors
- Table 82. BASF Major Business
- Table 83. BASF Phosphating Solution & Phosphorizing Liquid Product and Services
- Table 84. BASF Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 85. BASF Recent Developments/Updates
- Table 86. BASF Competitive Strengths & Weaknesses
- Table 87. Nihon Parkerizing Basic Information, Manufacturing Base and Competitors
- Table 88. Nihon Parkerizing Major Business
- Table 89. Nihon Parkerizing Phosphating Solution & Phosphorizing Liquid Product and Services
- Table 90. Nihon Parkerizing Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 91. Nihon Parkerizing Recent Developments/Updates
- Table 92. Nihon Parkerizing Competitive Strengths & Weaknesses
- Table 93. PPG Basic Information, Manufacturing Base and Competitors
- Table 94. PPG Major Business
- Table 95. PPG Phosphating Solution & Phosphorizing Liquid Product and Services
- Table 96. PPG Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. PPG Recent Developments/Updates
- Table 98. PPG Competitive Strengths & Weaknesses
- Table 99. PMD Chemicals Basic Information, Manufacturing Base and Competitors
- Table 100. PMD Chemicals Major Business
- Table 101. PMD Chemicals Phosphating Solution & Phosphorizing Liquid Product and Services
- Table 102. PMD Chemicals Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. PMD Chemicals Recent Developments/Updates
- Table 104. PMD Chemicals Competitive Strengths & Weaknesses
- Table 105. Blast-Wash UK Basic Information, Manufacturing Base and Competitors
- Table 106. Blast-Wash UK Major Business
- Table 107. Blast-Wash UK Phosphating Solution & Phosphorizing Liquid Product and Services

Table 108. Blast-Wash UK Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Blast-Wash UK Recent Developments/Updates

Table 110. Blast-Wash UK Competitive Strengths & Weaknesses

Table 111. Quaker Houghton Basic Information, Manufacturing Base and Competitors

Table 112. Quaker Houghton Major Business

Table 113. Quaker Houghton Phosphating Solution & Phosphorizing Liquid Product and Services

Table 114. Quaker Houghton Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Quaker Houghton Recent Developments/Updates

Table 116. Quaker Houghton Competitive Strengths & Weaknesses

Table 117. Nippon Paint Basic Information, Manufacturing Base and Competitors

Table 118. Nippon Paint Major Business

Table 119. Nippon Paint Phosphating Solution & Phosphorizing Liquid Product and Services

Table 120. Nippon Paint Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Nippon Paint Recent Developments/Updates

Table 122. Nippon Paint Competitive Strengths & Weaknesses

Table 123. SG-Galvanobedarf Basic Information, Manufacturing Base and Competitors

Table 124. SG-Galvanobedarf Major Business

Table 125. SG-Galvanobedarf Phosphating Solution & Phosphorizing Liquid Product and Services

Table 126. SG-Galvanobedarf Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. SG-Galvanobedarf Recent Developments/Updates

Table 128. SG-Galvanobedarf Competitive Strengths & Weaknesses

Table 129. Sichuan Hengtong Basic Information, Manufacturing Base and Competitors

Table 130. Sichuan Hengtong Major Business

Table 131. Sichuan Hengtong Phosphating Solution & Phosphorizing Liquid Product and Services

Table 132. Sichuan Hengtong Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Sichuan Hengtong Recent Developments/Updates

Table 134. Sichuan Hengtong Competitive Strengths & Weaknesses

Table 135. Yingxing Metal Surface Treatment Basic Information, Manufacturing Base and Competitors

Table 136. Yingxing Metal Surface Treatment Major Business

Table 137. Yingxing Metal Surface Treatment Phosphating Solution & Phosphorizing Liquid Product and Services

Table 138. Yingxing Metal Surface Treatment Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Yingxing Metal Surface Treatment Recent Developments/Updates

Table 140. Yingxing Metal Surface Treatment Competitive Strengths & Weaknesses

Table 141. Shenzhen Linda Fine Chemicals Basic Information, Manufacturing Base and Competitors

Table 142. Shenzhen Linda Fine Chemicals Major Business

Table 143. Shenzhen Linda Fine Chemicals Phosphating Solution & Phosphorizing Liquid Product and Services

Table 144. Shenzhen Linda Fine Chemicals Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Shenzhen Linda Fine Chemicals Recent Developments/Updates

Table 146. Shenzhen Linda Fine Chemicals Competitive Strengths & Weaknesses

Table 147. Chongqing Changyu Metal Surface Treatment Technology Basic Information, Manufacturing Base and Competitors

Table 148. Chongqing Changyu Metal Surface Treatment Technology Major Business

Table 149. Chongqing Changyu Metal Surface Treatment Technology Phosphating Solution & Phosphorizing Liquid Product and Services

Table 150. Chongqing Changyu Metal Surface Treatment Technology Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Chongqing Changyu Metal Surface Treatment Technology Recent Developments/Updates

Table 152. Chongqing Changyu Metal Surface Treatment Technology Competitive Strengths & Weaknesses

Table 153. Jiaozuo Fubang Cleaning Basic Information, Manufacturing Base and Competitors

Table 154. Jiaozuo Fubang Cleaning Major Business

Table 155. Jiaozuo Fubang Cleaning Phosphating Solution & Phosphorizing Liquid Product and Services

Table 156. Jiaozuo Fubang Cleaning Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Jiaozuo Fubang Cleaning Recent Developments/Updates

Table 158. Jiaozuo Fubang Cleaning Competitive Strengths & Weaknesses

Table 159. Hunan Guterui New Materials Technology Basic Information, Manufacturing Base and Competitors

Table 160. Hunan Guterui New Materials Technology Major Business

Table 161. Hunan Guterui New Materials Technology Phosphating Solution & Phosphorizing Liquid Product and Services

Table 162. Hunan Guterui New Materials Technology Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. Hunan Guterui New Materials Technology Recent Developments/Updates

Table 164. Hunan Guterui New Materials Technology Competitive Strengths & Weaknesses

Table 165. Qingdao Ai Dasheng Environmental Protection Technology Basic Information, Manufacturing Base and Competitors

Table 166. Qingdao Ai Dasheng Environmental Protection Technology Major Business

Table 167. Qingdao Ai Dasheng Environmental Protection Technology Phosphating Solution & Phosphorizing Liquid Product and Services

Table 168. Qingdao Ai Dasheng Environmental Protection Technology Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. Qingdao Ai Dasheng Environmental Protection Technology Recent Developments/Updates

Table 170. Qingdao Ai Dasheng Environmental Protection Technology Competitive Strengths & Weaknesses

Table 171. Zhengbang Surface Treatment Agents Basic Information, Manufacturing Base and Competitors

Table 172. Zhengbang Surface Treatment Agents Major Business

Table 173. Zhengbang Surface Treatment Agents Phosphating Solution & Phosphorizing Liquid Product and Services

Table 174. Zhengbang Surface Treatment Agents Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 175. Zhengbang Surface Treatment Agents Recent Developments/Updates

Table 176. Zhengbang Surface Treatment Agents Competitive Strengths & Weaknesses

Table 177. Julong Chemicals Basic Information, Manufacturing Base and Competitors

Table 178. Julong Chemicals Major Business

Table 179. Julong Chemicals Phosphating Solution & Phosphorizing Liquid Product and Services

Table 180. Julong Chemicals Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 181. Julong Chemicals Recent Developments/Updates

Table 182. Julong Chemicals Competitive Strengths & Weaknesses

Table 183. Changzhou Junhe Technology Basic Information, Manufacturing Base and Competitors

Table 184. Changzhou Junhe Technology Major Business

Table 185. Changzhou Junhe Technology Phosphating Solution & Phosphorizing Liquid Product and Services

Table 186. Changzhou Junhe Technology Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 187. Changzhou Junhe Technology Recent Developments/Updates

Table 188. Changzhou Junhe Technology Competitive Strengths & Weaknesses

Table 189. Changyi United Technology Basic Information, Manufacturing Base and Competitors

Table 190. Changyi United Technology Major Business

Table 191. Changyi United Technology Phosphating Solution & Phosphorizing Liquid Product and Services

Table 192. Changyi United Technology Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 193. Changyi United Technology Recent Developments/Updates

Table 194. Changyi United Technology Competitive Strengths & Weaknesses

Table 195. Hubei Haili Environmental Protection Basic Information, Manufacturing Base and Competitors

Table 196. Hubei Haili Environmental Protection Major Business

Table 197. Hubei Haili Environmental Protection Phosphating Solution & Phosphorizing Liquid Product and Services

Table 198. Hubei Haili Environmental Protection Phosphating Solution & Phosphorizing Liquid Production (Kilotons), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 199. Hubei Haili Environmental Protection Recent Developments/Updates

Table 200. Hubei Haili Environmental Protection Competitive Strengths & Weaknesses

Table 201. Global Key Players of Phosphating Solution & Phosphorizing Liquid Upstream (Raw Materials)

Table 202. Global Phosphating Solution & Phosphorizing Liquid Typical Customers

Table 203. Phosphating Solution & Phosphorizing Liquid Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Phosphating Solution & Phosphorizing Liquid Picture

Figure 2. World Phosphating Solution & Phosphorizing Liquid Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Phosphating Solution & Phosphorizing Liquid Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Phosphating Solution & Phosphorizing Liquid Production (2021-2032) & (Kilotons)

Figure 5. World Phosphating Solution & Phosphorizing Liquid Average Price (2021-2032) & (USD/MT)

Figure 6. World Phosphating Solution & Phosphorizing Liquid Production Value Market Share by Region (2021-2032)

Figure 7. World Phosphating Solution & Phosphorizing Liquid Production Market Share by Region (2021-2032)

Figure 8. North America Phosphating Solution & Phosphorizing Liquid Production (2021-2032) & (Kilotons)

Figure 9. Europe Phosphating Solution & Phosphorizing Liquid Production (2021-2032) & (Kilotons)

Figure 10. China Phosphating Solution & Phosphorizing Liquid Production (2021-2032) & (Kilotons)

Figure 11. Japan Phosphating Solution & Phosphorizing Liquid Production (2021-2032) & (Kilotons)

Figure 12. Phosphating Solution & Phosphorizing Liquid Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Phosphating Solution & Phosphorizing Liquid Consumption (2021-2032) & (Kilotons)

Figure 15. World Phosphating Solution & Phosphorizing Liquid Consumption Market Share by Region (2021-2032)

Figure 16. United States Phosphating Solution & Phosphorizing Liquid Consumption (2021-2032) & (Kilotons)

Figure 17. China Phosphating Solution & Phosphorizing Liquid Consumption (2021-2032) & (Kilotons)

Figure 18. Europe Phosphating Solution & Phosphorizing Liquid Consumption (2021-2032) & (Kilotons)

Figure 19. Japan Phosphating Solution & Phosphorizing Liquid Consumption (2021-2032) & (Kilotons)

Figure 20. South Korea Phosphating Solution & Phosphorizing Liquid Consumption (2021-2032) & (Kilotons)

Figure 21. ASEAN Phosphating Solution & Phosphorizing Liquid Consumption (2021-2032) & (Kilotons)

Figure 22. India Phosphating Solution & Phosphorizing Liquid Consumption (2021-2032) & (Kilotons)

Figure 23. Producer Shipments of Phosphating Solution & Phosphorizing Liquid by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Phosphating Solution & Phosphorizing Liquid Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Phosphating Solution & Phosphorizing Liquid Markets in 2025

Figure 26. United States VS China: Phosphating Solution & Phosphorizing Liquid Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Phosphating Solution & Phosphorizing Liquid Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Phosphating Solution & Phosphorizing Liquid Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production Market Share 2025

Figure 30. China Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Phosphating Solution & Phosphorizing Liquid Production Market Share 2025

Figure 32. World Phosphating Solution & Phosphorizing Liquid Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Phosphating Solution & Phosphorizing Liquid Production Value Market Share by Type in 2025

Figure 34. Zinc-based

Figure 35. Iron-based

Figure 36. Zinc-iron-based

Figure 37. Manganese-based

Figure 38. Zinc-calcium-based

Figure 39. Zinc-manganese-based

Figure 40. Other

Figure 41. Other

Figure 42. World Phosphating Solution & Phosphorizing Liquid Production Market Share by Type (2021-2032)

Figure 43. World Phosphating Solution & Phosphorizing Liquid Production Value Market

Share by Type (2021-2032)

Figure 44. World Phosphating Solution & Phosphorizing Liquid Average Price by Type (2021-2032) & (USD/MT)

Figure 45. World Phosphating Solution & Phosphorizing Liquid Production Value by Temperature, (USD Million), 2021 & 2025 & 2032

Figure 46. World Phosphating Solution & Phosphorizing Liquid Production Value Market Share by Temperature in 2025

Figure 47. Medium-temperature Phosphate Treatment Solution

Figure 48. High-temperature Phosphate Treatment Solution

Figure 49. World Phosphating Solution & Phosphorizing Liquid Production Market Share by Temperature (2021-2032)

Figure 50. World Phosphating Solution & Phosphorizing Liquid Production Value Market Share by Temperature (2021-2032)

Figure 51. World Phosphating Solution & Phosphorizing Liquid Average Price by Temperature (2021-2032) & (USD/MT)

Figure 52. World Phosphating Solution & Phosphorizing Liquid Production Value by Phosphating Film Thickness, (USD Million), 2021 & 2025 & 2032

Figure 53. World Phosphating Solution & Phosphorizing Liquid Production Value Market Share by Phosphating Film Thickness in 2025

Figure 54. Film Weight: 0.1–1.0 g/m<sup>2</sup>

Figure 55. Film Weight: 1.1–4.5 g/m<sup>2</sup>

Figure 56. Film Weight: >7.5 g/m<sup>2</sup>

Figure 57. World Phosphating Solution & Phosphorizing Liquid Production Market Share by Phosphating Film Thickness (2021-2032)

Figure 58. World Phosphating Solution & Phosphorizing Liquid Production Value Market Share by Phosphating Film Thickness (2021-2032)

Figure 59. World Phosphating Solution & Phosphorizing Liquid Average Price by Phosphating Film Thickness (2021-2032) & (USD/MT)

Figure 60. World Phosphating Solution & Phosphorizing Liquid Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 61. World Phosphating Solution & Phosphorizing Liquid Production Value Market Share by Application in 2025

Figure 62. Automobiles

Figure 63. Shipbuilding

Figure 64. Aerospace

Figure 65. Machinery

Figure 66. Home Appliances

Figure 67. Other

Figure 68. World Phosphating Solution & Phosphorizing Liquid Production Market Share

by Application (2021-2032)

Figure 69. World Phosphating Solution & Phosphorizing Liquid Production Value Market Share by Application (2021-2032)

Figure 70. World Phosphating Solution & Phosphorizing Liquid Average Price by Application (2021-2032) & (USD/MT)

Figure 71. Phosphating Solution & Phosphorizing Liquid Industry Chain

Figure 72. Phosphating Solution & Phosphorizing Liquid Procurement Model

Figure 73. Phosphating Solution & Phosphorizing Liquid Sales Model

Figure 74. Phosphating Solution & Phosphorizing Liquid Sales Channels, Direct Sales, and Distribution

Figure 75. Methodology

Figure 76. Research Process and Data Source

## I would like to order

Product name: Global Phosphating Solution & Phosphorizing Liquid Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G7BBA2AF74EDEN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

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

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

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G7BBA2AF74EDEN.html>