

China Antiscalants Market Size, Share & Trends Analysis Report By Application (Coal Gasification, Chemical, Power), By Product Type (Carboxylates, Phosphonates, Sulfonates, Fluorides), And Segment Forecasts, 2018 - 2024

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Abstracts

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The China antiscalants market size is expected to reach USD 555.6 million by 2024, according to a new report by Grand View Research, Inc. The market is estimated to expand at a CAGR of 6.8% during the forecast period. Rise in the offshore oil and gas facilities accompanied by increased coal-fired power generation in China is augmenting the demand of antiscalants. Antiscalants are preferred over acids as they inhibit the formation of nearly all types of scales such as colloids, and metal oxides formed from fluorides, sulfates, calcium carbonate, and calcium phosphate.

They also control scale formation at a better rate than sulfuric acids, when used in smaller doses. Antiscalants can be used in various industries such as coal gasification, power, and chemical. In the oil and gas industry, antiscalants are used to prevent scale formation during exploration, treatment, and transportation phases. Among the chemicals, phosphonates are widely used in the corrosion and scale iron sequestrates and inhibitors in water treatment process. They act as a super threshold agent in the membrane system.

On the other hand, the impact of using such chemicals may lead to the loss of aquatic organisms by entrainment and impingement. However, continuous government support for the development of eco-friendly products will fuel the demand from 2016-2024. Chemicals formed the largest application segment, accounting for 45.9% of the overall

volume in 2015. Antiscalants are used to mitigate the formation of recycled water in thermal power plants. In addition, growing usage of antiscalants in power sector applications and coal gasification sector would also propel industry expansion.

Further key findings from the study suggest:

Sulfonates type segment is projected to witness the fastest growth rate of 8.2% during the forecast years on account of its increasing need for desalination of seawater, primarily in the offshore oil and gas facilities

Application in the power industry segment will witness the fastest volume gains at a CAGR of 6.8% over the estimated period as a result of growing power and mining industries and demand for electricity in China

In terms of volume, carboxylates were the second-largest segment in 2015. Positive power sector outlook in China due to abundance of mineral reserves coupled with regulatory support encouraging foreign investments would boost the applications of carboxylates and phosphonates, thereby augmenting the market growth

Presence of a large number of suppliers and continuous R&D activities undertaken by various manufacturers to improve the production volumes is also expected to drive the market in the years to come.

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Research Methodology
- 1.2. Research Scope & Assumptions
- 1.3. List of Data Sources

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. China antiscalants market - Industry summary and key buying criteria, 2013 - 2024

CHAPTER 3. CHINA ANTISCALANTS INDUSTRY OUTLOOK

- 3.1. China antiscalants market segmentation
- 3.2. China antiscalants market size and growth prospects, 2013 - 2024
- 3.3. China antiscalants market value chain analysis
 - 3.3.1. Vendor landscape
- 3.4. Raw material outlook
- 3.5. Technology overview
- 3.6. Regulatory framework
- 3.7. China antiscalants market dynamics
 - 3.7.1. Market driver analysis
 - 3.7.1.1. Growing use of coal as an energy source
 - 3.7.1.2. Growing demand for antiscalants from the chemical industry and energy sector
 - 3.7.2. Market restraint analysis
 - 3.7.2.1. Toxic effect of antiscalants on ecosystem
- 3.8. China antiscalants market key opportunities prioritized
- 3.9. Key patents launched
- 3.10. China antiscalants market Porter's analysis
- 3.11. China antiscalants competitive landscape analysis, 2015
- 3.12. China antiscalants market PESTEL analysis

CHAPTER 4. CHINA ANTISCALANTS PRODUCT TYPE OUTLOOK

- 4.1. China antiscalants market share by type, 2015 & 2024
- 4.2. Carboxylates
 - 4.2.1. Market estimates and forecast, 2013 - 2024

- 4.2.2. Market estimates and forecast, by region, 2013 - 2024
- 4.3. Phosphonates
 - 4.3.1. Market estimates and forecast, 2013 - 2024
 - 4.3.2. Market estimates and forecast, by region, 2013 - 2024
- 4.4. Sulfonates
 - 4.4.1. Market estimates and forecast, 2013 - 2024
 - 4.4.2. Market estimates and forecast, by region, 2013 - 2024
- 4.5. Fluorides
 - 4.5.1. Market estimates and forecast, 2013 - 2024
 - 4.5.2. Market estimates and forecast, by region, 2013 - 2024
- 4.6. Others
 - 4.6.1. Market estimates and forecast, 2013 - 2024
 - 4.6.2. Market estimates and forecast, by region, 2013 - 2024

CHAPTER 5. CHINA ANTISCALANTS APPLICATION OUTLOOK

- 5.1. China antiscalants market share by application, 2015&2024
- 5.2. Coal Gasification
 - 5.2.1. Market estimates and forecast, 2013 - 2024
 - 5.2.2. Market estimates and forecast, by region, 2013 - 2024
- 5.3. Power
 - 5.3.1. Market estimates and forecast, 2013 - 2024
 - 5.3.2. Market estimates and forecast, by region, 2013 - 2024
- 5.4. Chemical
 - 5.4.1. Market estimates and forecast, 2013 - 2024
 - 5.4.2. Market estimates and forecast, by region, 2013 - 2024

CHAPTER 6. COMPETITIVE LANDSCAPE

- 6.1. Henan Yuguan Chemical Technology
 - 6.1.1. Company Overview
 - 6.1.2. Financial Performance
 - 6.1.3. Product Benchmarking
 - 6.1.4. Strategic Initiatives
- 6.2. Kemira
 - 6.2.1. Company Overview
 - 6.2.2. Financial Performance
 - 6.2.3. Product Benchmarking
 - 6.2.4. Strategic Initiatives

6.3. ZaozhongKerui Chemicals Co., Ltd

6.3.1. Company Overview

6.3.2. Financial Performance

6.3.3. Product Benchmarking

6.3.4. Strategic Initiatives

6.4. BASF SE

6.4.1. Company Overview

6.4.2. Financial Performance

6.4.3. Product Benchmarking

6.4.4. Strategic Initiatives

6.5. Shangdong Great Lake New Material Co. Ltd.

6.5.1. Company Overview

6.5.2. Financial Performance

6.5.3. Product Benchmarking

6.5.4. Strategic Initiatives

6.6. Nalco Water

6.6.1. Company Overview

6.6.2. Financial Performance

6.6.3. Product Benchmarking

6.6.4. Strategic Initiatives

6.7. Avista Technologies

6.7.1. Company Overview

6.7.2. Financial Performance

6.7.3. Product Benchmarking

6.7.4. Strategic Initiatives

List Of Tables

LIST OF TABLES

TABLE 1 Vendor landscape

TABLE 2 Antiscalants market- Key market driver analysis

TABLE 3 Antiscalants market - Key market restraint analysis

TABLE 4 China antiscalants carboxylates market estimates and forecast, 2013 - 2024
(Kilo Tons) (USD Million)

TABLE 5 China antiscalants phosphonates market estimates and forecast, 2013 - 2024
(Kilo Tons) (USD Million)

TABLE 6 China antiscalants sulfonates market estimates and forecast, 2013 - 2024
(Kilo Tons) (USD Million)

TABLE 7 China antiscalants fluorides market estimates and forecast, 2013 - 2024 (Kilo
Tons) (USD Million)

TABLE 8 China antiscalants others market estimates and forecast, 2013 - 2024 (Kilo
Tons) (USD Million)

TABLE 9 China antiscalants market in coal gasification, estimates and forecast, 2013 -
2024 (Kilo Tons) (USD Million)

TABLE 10 China antiscalants market in power, estimates and forecast, 2013 - 2024
(Kilo Tons) (USD Million)

TABLE 11 China antiscalants market in chemicals, estimates and forecast, 2013 - 2024
(Kilo Tons) (USD Million)

List Of Figures

LIST OF FIGURES

- FIG. 1 China antiscalants market segmentation
- FIG. 2 China antiscalants market revenue, 2013 - 2024 (Kilo Tons) (USD Million)
- FIG. 3 China antiscalants market value chain analysis
- FIG. 4 China antiscalants market dynamics
- FIG. 5 China energy generation, by source, 2014
- FIG. 6 Cumulative Power Sector Investment by Region, 2005 - 2030 (USD Billion)
- FIG. 7 Cumulative Power Sector Investment by Region, 2010 - 2050 (USD Billion)
- FIG. 8 Antiscalants market - Key opportunities prioritized
- FIG. 9 China antiscalants market Porter's analysis
- FIG. 10 China antiscalants market PESTEL analysis
- FIG. 11 China antiscalants market volume share, by product type, 2015 & 2024
- FIG. 12 China antiscalants market volume share by application, 2015 & 2024

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