

Global Industrial Biodegradable Chelating Agents Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Industrial Biodegradable Chelating Agents market size is expected to reach \$ 1912 million by 2032, rising at a market growth of 6.8% CAGR during the forecast period (2026-2032).

Industrial biodegradable chelating agents are functional chemicals that complex metal ions such as calcium, magnesium, iron and copper while offering better environmental degradability. Common products include GLDA, MGDA, IDS, EDDS and gluconates. They are used to replace selected traditional EDTA, NTA and phosphorus-containing additives, improving cleaning, scale inhibition, bleach stabilization and metal-ion control. In 2025, global Industrial Biodegradable Chelating Agents production reached approximately 426 K MT.

Detergent, industrial cleaning and water-treatment formulations are reducing the use of poorly degradable chelants and phosphorus-containing builders, creating broader opportunities for biodegradable chelating agents. GLDA and MGDA perform well in high-pH, hard-water and bleach-containing systems, making them suitable for home care, institutional cleaning and industrial cleaning. Agriculture and pulp and paper are also seeking lower-environmental-burden metal-ion control solutions.

The main constraint is cost, which remains higher than traditional chelants, and different applications require different balances among chelation strength, stability and corrosion. Future growth will expand through regulatory substitution, formulation upgrades and green-label certification. Suppliers that offer high-concentration products, low-salt byproduct control and application support will be more competitive.

From an application-expansion perspective, volume growth for biodegradable chelating

agents depends on customer acceptance of total formulation cost and environmental-compliance value. Industrial cleaning, home care, water treatment, agriculture and pulp-and-paper customers select different routes based on chelation strength, pH tolerance, corrosion control and biodegradability.

This report studies the global Industrial Biodegradable Chelating Agents production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Industrial Biodegradable Chelating Agents 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 Industrial Biodegradable Chelating Agents that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Industrial Biodegradable Chelating Agents total production and demand, 2021-2032, (Kilotons)

Global Industrial Biodegradable Chelating Agents total production value, 2021-2032, (USD Million)

Global Industrial Biodegradable Chelating Agents production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Industrial Biodegradable Chelating Agents consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Industrial Biodegradable Chelating Agents domestic production, consumption, key domestic manufacturers and share

Global Industrial Biodegradable Chelating Agents production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Industrial Biodegradable Chelating Agents production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Industrial Biodegradable Chelating Agents production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Industrial Biodegradable Chelating Agents 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 Nouryon, BASF, Jungbunzlauer, Innospec, Jarchem, AVA Biochem, Kemira, Itaconix, Shandong IRO Chelating, Nippon Shokubai, 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 Industrial Biodegradable Chelating Agents market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) 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 Industrial Biodegradable Chelating Agents Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Industrial Biodegradable Chelating Agents Market, Segmentation by Type:

Detergent-Grade Chelants

Water-Treatment Chelants

Pulp And Paper Chelants

Agricultural Chelants

Oilfield Chelants

Other

Global Industrial Biodegradable Chelating Agents Market, Segmentation by Feature:

Readily Biodegradable Chelants

Bio-Based Chelants

Global Industrial Biodegradable Chelating Agents Market, Segmentation by Channel:

Direct Sales

Distribution

Global Industrial Biodegradable Chelating Agents Market, Segmentation by Application:

Industrial Cleaning

Detergents

Water Treatment

Pulp And Paper

Agriculture

Other

Companies Profiled:

Nouryon

BASF

Jungbunzlauer

Innospec

Jarchem

AVA Biochem

Kemira

Itaconix

Shandong IRO Chelating

Nippon Shokubai

Key Questions Answered:

1. How big is the global Industrial Biodegradable Chelating Agents market?
2. What is the demand of the global Industrial Biodegradable Chelating Agents market?
3. What is the year over year growth of the global Industrial Biodegradable Chelating Agents market?
4. What is the production and production value of the global Industrial Biodegradable Chelating Agents market?
5. Who are the key producers in the global Industrial Biodegradable Chelating Agents market?
6. What are the growth factors driving the market demand?

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