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Global In Situ Chemical Oxidation Agents Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global In Situ Chemical Oxidation Agents market size was valued at US$ 639 million in 2025 and is forecast to a readjusted size of US$ 1176 million by 2032 with a CAGR of 9.1% during review period.

In 2024,global in situ chemical oxidation agents production reached approximately 155,362 ton, with an average global market price of around USD 4,000 per ton. A factory gross profit of USD 1,000 per ton with 25% gross margin. A single line full machine capacity production is around 4,000 ton per line per year. downstream demand is concentrated in environmental remediation, industrial wastewater treatment and manufacturing process uses. A site contaminated with BTEX compounds and petroleum hydrocarbons in subsurface soil is injected with activated persulfate (Na?S?O?) and hydrogen peroxide via direct wells across grid spacing to reduced contaminated mass in months and enabling safe redevelopment. In Situ Chemical Oxidation (ISCO) agents are powerful chemicals like persulfate, permanganate, ozone, or hydrogen peroxide, injected directly into contaminated soil or groundwater (in situ) to react with and destroy hazardous organic pollutants, converting them into less harmful substances like water, carbon dioxide, or salts, making them effective for cleaning up sites without digging up the mess.

This report is a detailed and comprehensive analysis for global In Situ Chemical Oxidation Agents market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market

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share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global In Situ Chemical Oxidation Agents market size and forecasts, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2021-2032

Global In Situ Chemical Oxidation Agents market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2021-2032

Global In Situ Chemical Oxidation Agents market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2021-2032

Global In Situ Chemical Oxidation Agents market shares of main players, shipments in revenue ($ Million), sales quantity (Tons), and ASP (US$/Ton), 2021-2026

The Primary Objectives in This Report Are:
To determine the size of the total market opportunity of global and key countries
To assess the growth potential for In Situ Chemical Oxidation Agents
To forecast future growth in each product and end-use market
To assess competitive factors affecting the marketplace

This report profiles key players in the global In Situ Chemical Oxidation Agents market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Evonik industries AG, Regensis Bioremediation Products Inc, Solvay Group, Carus Corporation, Remodis, Kemira Oyj, Arkema Inc, AkzoNobel N.V., Mitsubishi Gas Chemical Company Inc, PT Peroksida Indonesia Pratama, etc.

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

Market Segmentation

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In Situ Chemical Oxidation Agents market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

- Hydrogen Peroxide and Fenton;s Reagents
- Permanganate Based Oxidants
- Sodium or Potassium Persulfates
- Ozone and Catalyzed Systems
- Others

Market segment by Features

- Stabilized Reagents
- Activated Oxdiants
- Green Formulations
- Others

Market segment by Usage

- Direct Injection Remediation
- Engineered Oxidant Delivery Systems
- Others

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Market segment by Application

- Industrial Brownfield Sites
- Ground water and Aquifer Remediation
- Municipal and Landfill Sites
- Oil and Gas Contaminated Land
- Others

Major players covered

- Evonik industries AG
- Regensis Bioremediation Products Inc
- Solvay Group
- Carus Corporation
- Remodis
- Kemira Oyj
- Arkema Inc
- AkzoNobel N.V.
- Mitsubishi Gas Chemical Company Inc
- PT Peroksida Indonesia Pratama

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

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

Chapter 1, to describe In Situ Chemical Oxidation Agents product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of In Situ Chemical Oxidation Agents, with price, sales quantity, revenue, and global market share of In Situ Chemical Oxidation Agents from 2021 to 2026.

Chapter 3, the In Situ Chemical Oxidation Agents competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the In Situ Chemical Oxidation Agents breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and In Situ Chemical Oxidation Agents market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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

Chapter 13, the key raw materials and key suppliers, and industry chain of In Situ Chemical Oxidation Agents.

Chapter 14 and 15, to describe In Situ Chemical Oxidation Agents sales channel, distributors, customers, research findings and conclusion.

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