

Global In Situ Chemical Oxidation Agents Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global In Situ Chemical Oxidation Agents market size is expected to reach \$ 1176 million by 2032, rising at a market growth of 9.1% CAGR during the forecast period (2026-2032).

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 ($\text{Na}_2\text{S}_2\text{O}_8$) 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 studies the global In Situ Chemical Oxidation Agents production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for In Situ Chemical Oxidation 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 In Situ Chemical Oxidation

Agents that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global In Situ Chemical Oxidation Agents total production and demand, 2021-2032, (Tons)

Global In Situ Chemical Oxidation Agents total production value, 2021-2032, (USD Million)

Global In Situ Chemical Oxidation Agents production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global In Situ Chemical Oxidation Agents consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: In Situ Chemical Oxidation Agents domestic production, consumption, key domestic manufacturers and share

Global In Situ Chemical Oxidation Agents production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global In Situ Chemical Oxidation Agents production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global In Situ Chemical Oxidation Agents production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global In Situ Chemical Oxidation 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 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World In Situ Chemical Oxidation Agents market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) 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 In Situ Chemical Oxidation Agents Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global In Situ Chemical Oxidation Agents Market, Segmentation by Type:

Hydrogen Peroxide and Fenton;s Reagents

Permanganate Based Oxidants

Sodium or Potassium Persulfates

Ozone and Catalyzed Systems

Others

Global In Situ Chemical Oxidation Agents Market, Segmentation by Features:

Stabilized Reagents

Activated Oxidants

Green Formulations

Others

Global In Situ Chemical Oxidation Agents Market, Segmentation by Usage:

Direct Injection Remediation

Engineered Oxidant Delivery Systems

Others

Global In Situ Chemical Oxidation Agents Market, Segmentation by Application:

Industrial Brownfield Sites

Ground water and Aquifer Remediation

Municipal and Landfill Sites

Oil and Gas Contaminated Land

Others

Companies Profiled:

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

Key Questions Answered:

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

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