

Global Dess-Martin Oxidation 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 Dess-Martin Oxidation market size was valued at US\$ 13.27 million in 2025 and is forecast to a readjusted size of US\$ 19.29 million by 2032 with a CAGR of 5.5% during review period.

In 2025, the global production of Dess-Martin oxidant was approximately 25 tons, with an average selling price of around US\$516 per kilogram. The scale of single-line production capacity varies depending on the production process and investment scale, with an average gross profit margin of approximately 25-35%. Dess-Martin oxidant is a mild and efficient organic oxidizing agent, primarily used to oxidize primary alcohols to aldehydes and secondary alcohols to ketones. It has minimal impact on other sensitive functional groups, reacts under mild conditions (room temperature and neutral pH), and requires simple post-reaction processing, making it a very important reagent in modern organic synthesis.

The upstream core raw materials for Dess-Martin oxidant mainly include 2-iodobenzoic acid, palladium acetate, potassium persulfate, and organic acids and acylating agents such as trifluoroacetic acid and acetic anhydride. The supply and price of these basic chemical raw materials directly affect its production. Downstream, it primarily serves the pharmaceutical research and manufacturing industry, used for the highly selective oxidation of hydroxyl groups in the synthesis of complex drug molecules. It also has important applications in the preparation of advanced electronic chemicals and in organic synthesis research at academic and research institutions, making it a key synthetic building block for high-value-added fine chemicals.

This report is a detailed and comprehensive analysis for global Dess-Martin Oxidation

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

Key Features:

Global Dess-Martin Oxidation market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Dess-Martin Oxidation market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Dess-Martin Oxidation market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Dess-Martin Oxidation market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/kg), 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 Dess-Martin Oxidation
- 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 Dess-Martin Oxidation 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 Merck, TCI Chemical, Alfa Aesar, Jiangsu Yutian Pharmaceutical, Herd Chemical (Suzhou), Henan Kaiyan Biotechnology, Hubei Xiangxi Chemical Industry, etc.

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

Market Segmentation

Dess-Martin Oxidation 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

Fine Powder

Granular

Market segment by Purity

Purity

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