

Global Chiral Chemicals Market to reach USD 125.41 billion by 2025

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Executive Summary

Global Chiral Chemicals Market to reach USD 125.41 billion by 2025.

Global Chiral Chemicals Market valued approximately USD 44.93 billion in 2017 is anticipated to grow with a healthy growth rate of more than 13.69% over the forecast period 2018-2025.

The Chiral Chemicals market is developing and expanding at a significant pace. A molecule is chiral if it is not superimposable on its mirror image. Most chiral molecules can be identified by their lack of a plane of symmetry or a center of symmetry. The chiral compounds are comprised of carbon atom at center attached to four different substitutes. The right hand and left-hand configurations are called as enantiomers. Moreover, the stereocenter of the chiral molecule may not be an only carbon atom; it may also consist of tetravalent phosphorus and trivalent sulfur compounds. Enantiomers possess same physical properties, but the difference exists in the direction of rotation. Commercially, the separation of enantiomers is difficult and usually separated by different processing methods such as a traditional, asymmetric, and biological method. The chiral technology has been growing significantly in the recent years, and the development of chiral chemicals has become faster and cost effective with the development of advanced analytical methods. Chirality is a geometric property of some molecules; the compounds exhibiting chirality are defined as chiral compounds, which are non-superimposable on its mirror image. The existence of an asymmetric carbon center (the carbon atom attached to four different substituents) gives rise to chirality in different compounds. A chiral compound and its mirror image are referred to as enantiomers, which basically differ only in their optical activity. Enantiomers possess relatively same physical properties; difference exists based on the direction in which they rotate the plane polarized light i.e. clockwise or counterclockwise. The market growth is primarily driven by increasing demand for chiral chemicals in pharmaceutical application and growing agrochemicals industries mainly in the developing countries such as China and India market. However, stringent government regulations and environmental issues associated with the chiral pesticides hamper the market growth.

The regional analysis of Global Chiral Chemicals Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the fastest growing region across the world in terms of market share. Whereas, owing to the countries such as China, Japan, and India, Asia Pacific region is anticipated to be the dominating region over the forecast period 2018-2025.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the

market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

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By Technology:

Traditional Separation Method
Asymmetric Preparation Method
Biological Separation Method
Other Separation Methods
By Application:

Pharmaceuticals
Agrochemicals
Fragrances
Other Applications

Furthermore, years considered for the study are as follows:

Historical year – 2015, 2016

Base year – 2017

Forecast period – 2018 to 2025

The leading market players mainly include-

Solvias AG
Strem Chemicals Inc
Chiral Technologies, Inc
Johnson Matthey Plc
BASF SE
Rhodia Inc
R. Grace & Co
PerkinElmer Inc
Codexis, Inc
Bayer AG
DOW Chemical Company
Chiracon GmbH

Target Audience of the Global Chiral Chemicals Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors
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