Propylene Oxide Market Research Report- Forecast to 2023

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Description:

Propylene Oxide Market by Application (Polyether Polyols, Propylene Glycol, Fumigation, Adhesives & Sealants, Oil Demulsifier) by End Use Industry (Construction, Paints & Coatings, Oil & Gas, Food, Transportation) and by Region– Forecast till 2023

Propylene Oxide is a highly reactive compound, found as a colorless liquid and is used majorly in the manufacture of Polyether Polyls and propylene glycol. Polyether Polyls is an intermediate in the production of polyurethane foam which finds major application as coatings, adhesives & sealants among others. Polyether Polyls are also used as oil demulsifiers which is a major use in oil and gas exploration. Propylene oxide is a certified compound in food industry, used to reduce bacteria, yeast and other related microbes in food storages. Propylene Glycol is used as coating to de-ice in the aviation industry. In automotive industry, Propylene Glycol is used as a hydraulic fluid in braking systems of automotive industry.

The demand for Propylene Oxide is growing at higher CAGR every year globally. In particular, Asia Pacific is dominated in the global market share in Propylene Oxide because of huge investments in metropolitan city expansion projects where Polyether Polyls and Propylene Glycol is used as coatings in the field of construction and housing has dramatically increased to due to rise in middle class population who are willing to invest in real estate. This is considered to be a major driver for Propylene Oxide Market growth in the forecast period. In oil & gas exploration sector, Propylene Oxide is used as a demulsifier which is the primary step to separate oil from water in refining the crude oil. It is anticipated that the usage of Propylene Oxide and its market will be growing as the oil and gas should meet the global energy requirements. Additionally, the propylene oxide is used as hydraulic fluid in braking systems in the vehicles and it is also used as de-icing agent in airplanes. It is anticipated that these factors would drive the transportation sector in order to meet the needs of public and global traders. Propylene Oxide has major use as fumigation in food industry. Since, it is a certified compound in food industry to reduce the bacteria and other related microbes and it is anticipated that this cause would drive the Propylene Oxide Market in this forecast period.

Global Propylene Oxide Market Share, by Applications 2016 (%):
Regional Analysis:

Asia Pacific region has the largest market of Propylene Oxide and the major share is coming from the construction and housing industry. The key factors are, public investment in the housing industry and the burgeoning population and also seeking for a change in their lifestyle. Additionally, the middle class population are majorly targeted by the industrialists from different sectors because as the population of the global middle class was recorded to be more than 1.5 billion in 2010 and is expected to grow at higher rate, which will help them to increase their market in the forecast period. Asia Pacific is currently in the second position in the global middle class population and it is anticipated to cross the Europe by 2025.

North American audience of Propylene Glycol Market are more in the transportation sector. Since this industry uses Propylene Glycol as hydraulic fluids in the automotive industry and as well as de-icing agent in airplanes and other aerospace vehicles therefore factors will drive the market in the forecast period.

Europe was the largest in terms of Propylene Oxide consumption. However, it is anticipated that it would lose it market share due to the economic crisis and increasing environmental regulations and safety in this forecast period.

In the Middle East and Africa, UAE has positioned itself as a self-sustainable country because of it mega infrastructure projects to promote tourism. Whereas, other countries like Saudi Arabia has raw materials obtained from its oil wells to produce Propylene Oxide and also it is aiming to promote tourism. Propylene Oxide is used as adhesives, paints and coatings. Altogether, based on these factors it is anticipated that the market for Propylene Oxide will be growing in this forecast period.

In Latin America, as there are serious issues of public governance failure and low economy growth rate it is anticipated that there will be no future projects in the field of construction, transport and oil & gas in the forecast period.

Segmentation:

The Global Propylene Oxide Market is segmented on the basis of applications, end use industry and region. On the basis of applications, the market is segmented into polyether polyols, propylene glycol, fumigation, adhesives and sealants, & oil demulsifier. On the basis of end use industry, the market is classified into construction, paints and coatings, oil & gas, food, & transportation. On the basis of region, the market is segmented into Asia Pacific, North America, Europe, Middle East & Africa and Latin America.

Key Players:

Some of the prominent players operating in the Propylene Oxide Market are The Dow Chemical Company (U.S.), LyondellBasell Industries N.V. (the Netherlands), Royal Dutch Shell plc (the Netherlands), Huntsman Corporation (U.S.), BASF SE (Germany), Repsol S.A. (Spain), Asahi Glass Co., Ltd. (Japan), INEOS Private Limited Company (U.K.), Sumitomo Group (Japan), Chevron Phillips Chemical (U.S.).

Intended Audience
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