Global Pentaerythritol Market Research Report- Information By Application (Paints & Coatings, Plasticizers, Lubricants, Adhesive & Sealant, Inks, Varnishes, And Others) Region – Forecast Till 2023

Synopsis of pentaerythritol Market

Pentaerythritol or 2,2-bis(hydroxymethyl)propane-1,3-diol is an odorless white, crystalline, solid organic compound. It is tetrahydric neopentyl alcohol with chemical formula C5H12O4 and is non-hygrosopic, non-volatile, and stable in air. It is predominantly used in the surface coating industries. Moreover, it is used for manufacturing synthetic drying oils by esterification reaction and other reaction with fatty acid esters. It possesses excellent property such as low volatility and the high flash point, which make it an ideal substitute for dielectric fluids in the transformer. It exhibits superior properties such as water resistance, luster, flexibility, and alkali resistance. Therefore, it is widely used in a range of applications such as adhesive & sealant, inks, paints & coatings, plasticizers, lubricants, varnishes, and others. Other applications includes medicine, flame retardants, pesticide, and explosives.

As per the analysis, some of the noticeable market factors and trends identified in the global pentaerythritol market includes rapid industrialization, increasing automotive production and sales, and rising building & construction activities across the globe. Furthermore, increasing automotive production along with rising application scope such as surface coating and lubricants is estimated to propel the growth of the market. Rising population and growing per capita disposable income along with consumer spending have driven the infrastructural developments in developing countries. Moreover, increasing mining and quarrying activities in developed and developing countries across the globe have increased the consumption of explosives, which, in turn, is estimated to drive the growth of the market over the forecast period 2017-2023. Furthermore, the demand for high-quality lubricants by the automotive manufacturers and various industries has raised significantly from the past few years. Increasing pentaerythritol-based lubricants in numerous end-use industries are estimated to drive the demand over the forecast period. However, the rise in the demand for formaldehyde and acetaldehyde for various application lead to their shortage of supply, which is likely to hamper the growth of the market.

Global Pentaerythritol Market Share by application (2016), (%)
Regional Analysis

The global pentaerythritol market spanned over five regions: Latin America, North America, Asia Pacific, Europe, and the Middle East & Africa. The Asia Pacific region is estimated to grow at the highest CAGR over the forecast period on account of the continuous expansion of various end-use industries such as transportation & automotive, agriculture, building & construction, and plastic industry among others. The demand for pentaerythritol is estimated to surge in several countries of the Asia Pacific such as South Korea, China, India, the Philippines, Australia, Taiwan, Japan, Thailand, Malaysia, Indonesia, Bangladesh, and Vietnam due to increasing population along with rising consumption of pesticide to produce high-quality crops. Moreover increasing disposable income along with growing production and sales of an automotive vehicle is estimated to propel the market growth in this region. Additionally, rising purchasing power, inexpensive labor and land cost, low production set up cost, and moderately stringent regulatory framework are some of the important factors in the regional market growth.

Europe emerged as the second largest market for pentaerythritol in 2016 followed by North America. North America is projected to witness a lucrative growth in pentaerythritol market owing to recovery of industrial sector along with growing expenditure on renovation & maintenance of construction sector during the assessment period. The U.S. is estimated to hold over two-thirds regional market share and is expected to retain its dominance on account of increasing pharmaceutical sector along with increasing onshore and offshore activities. European countries such as the U.K, Germany, France, Italy, and Russia are among the leading contributors to the regional market growth owing to the strong presence of automotive manufacturers along with rising innovation and R&D activities to develop bio-based lubricants. In Latin America, countries such as Mexico, Argentina, Brazil, Colombia, and Venezuela are expected to witness a steady growth on account of the robust consumer base for automotive & transportation sector. The Middle East & Africa is predicted to witness lucrative growth due to increasing building & construction activities specifically in the United Arab Emirates, Saudi Arabia, Kuwait, and Turkey.

Segmentation

The global pentaerythritol market is categorized on the basis of application, and region. On the basis of the application, the market is categorized into paints & coatings, plasticizers, lubricants, adhesive & sealant, inks, varnishes, and others. Others application comprises of medicine, flame retardants, pesticide, and explosives. On the basis of the regions, pentaerythritol market is segmented into Latin America, North America, Asia Pacific, Europe, and the Middle East & Africa.

Key Players

Some of the prominent players operating in the global pentaerythritol market are Celanese Corporation (U.S.), Perstorp Holding AB (Sweden), Ercros S.A (Spain), Merck KGaA (Germany), Hubei Yihua Group Co.,Ltd (China), Mitsui Chemicals, Inc (Japan), Samyang...
Chemical Corporation (South Korea), Methanol Chemicals Company (Saudi Arabia), Kanoria Chemicals & Industries Limited (India), Jiangsu Ruiyang Chemical Co., Ltd. (China), U-JIN Chemical Co., Ltd (South Korea) among others.

**Intended Audience**
- Pentaerythritol manufacturers
- Traders and Distributors of pentaerythritol
- Production Process Industries
- Potential Investors
- Raw Material Suppliers
- Nationalized Laboratory

### Contents:

**TABLE OF CONTENTS**

1. **Executive Summary**
2. **Scope of the Report**
   - 2.1 Market Definition
   - 2.2 Scope of the Study
   - 2.2.1 Research Objectives
   - 2.2.2 Assumptions & Limitations
   - 2.3 Markets Structure
3. **Market Research Methodology**
   - 3.1 Research Process
   - 3.2 Secondary Research
   - 3.3 Primary Research
   - 3.4 Forecast Model
4. **Market Landscape**
   - 4.1 Five Forces Analysis
     - 4.1.1 Threat of New Entrants
     - 4.1.2 Bargaining power of buyers
     - 4.1.3 Threat of substitutes
     - 4.1.4 Segment rivalry
   - 4.2 Value Chain/Supply Chain of Global Pentaerythritol Market
5. **Industry Overview of Global Pentaerythritol Market**
   - 5.1 Introduction
   - 5.2 Growth Drivers
   - 5.3 Impact analysis
   - 5.4 Market Challenges
   - 5.5 Impact analysis
6. **Market Trends**
   - 6.1 Introduction
   - 6.2 Growth Trends
   - 6.3 Impact analysis
7. **Global Pentaerythritol Market by Application**
   - 7.1 Introduction
   - 7.2 Paints & Coatings
     - 7.2.1 Market Estimates & Forecast, 2016-2023
   - 7.2.2 Market Estimates & Forecast by Region, 2016-2023
   - 7.3 Plasticizers
7.3.1 Market Estimates & Forecast, 2016-2023
7.3.2 Market Estimates & Forecast by Region, 2016-2023
7.4 Lubricants
7.4.1 Market Estimates & Forecast, 2016-2023
7.4.2 Market Estimates & Forecast by Region, 2016-2023
7.5 Adhesive & Sealant
7.5.1 Market Estimates & Forecast, 2016-2023
7.5.2 Market Estimates & Forecast by Region, 2016-2023
7.6 Inks
7.6.1 Market Estimates & Forecast, 2016-2023
7.6.2 Market Estimates & Forecast by Region, 2016-2023
7.7 Varnishes
7.7.1 Market Estimates & Forecast, 2016-2023
7.7.2 Market Estimates & Forecast by Region, 2016-2023
7.8 Others
7.8.1 Market Estimates & Forecast, 2016-2023
7.8.2 Market Estimates & Forecast by Region, 2016-2023
8. Global Pentaerythritol Market by Region
8.1 Introduction
8.2 North America
8.2.1 Market Estimates & Forecast, 2016-2023
8.2.2 Market Estimates & Forecast by Application, 2016-2023
8.2.3 US
8.2.3.1 Market Estimates & Forecast, 2016-2023
8.2.3.2 Market Estimates & Forecast by Application, 2016-2023
8.2.4 Canada
8.2.4.1 Market Estimates & Forecast, 2016-2023
8.2.4.2 Market Estimates & Forecast by Application, 2016-2023
8.3 Europe
8.3.1 Market Estimates & Forecast, 2016-2023
8.3.2 Market Estimates & Forecast by Application, 2016-2023
8.3.3 Germany
8.3.3.1 Market Estimates & Forecast, 2016-2023
8.3.3.2 Market Estimates & Forecast by Application, 2016-2023
8.3.4 France
8.3.4.1 Market Estimates & Forecast, 2016-2023
8.3.4.2 Market Estimates & Forecast by Application, 2016-2023
8.3.5 Italy
8.3.5.1 Market Estimates & Forecast, 2016-2023
8.3.5.2 Market Estimates & Forecast by Application, 2016-2023
8.3.6 Spain
8.3.6.1 Market Estimates & Forecast, 2016-2023
8.3.6.2 Market Estimates & Forecast by Application, 2016-2023
8.3.7 U.K
8.3.7.1 Market Estimates & Forecast, 2016-2023
8.3.7.2 Market Estimates & Forecast by Application, 2016-2023
8.4 Asia Pacific
8.4.1 Market Estimates & Forecast, 2016-2023
8.6.5.2 Market Estimates & Forecast by Application, 2016-2023

9. Company Landscape

10. Company Profiles

10.1 Celanese Corporation
10.1.1 Company Overview
10.1.2 Product/Business Segment Overview
10.1.3 Financial Updates
10.1.4 Key Developments

10.2 Perstorp Holding AB
10.2.1 Company Overview
10.2.2 Product/Business Segment Overview
10.2.3 Financial Updates
10.2.4 Key Developments

10.3 Ercros S.A
10.3.1 Company Overview
10.3.2 Product/Business Segment Overview
10.3.3 Financial Updates
10.3.4 Key Developments

10.4 Merck KGaA
10.4.1 Company Overview
10.4.2 Product/Business Segment Overview
10.4.3 Financial Updates
10.4.4 Key Developments

10.5 Hubei Yihua Group Co., Ltd
10.5.1 Company Overview
10.5.2 Product/Business Segment Overview
10.5.3 Financial Updates
10.5.4 Key Developments

10.6 Mitsui Chemicals, Inc
10.6.1 Company Overview
10.6.2 Product/Business Segment Overview
10.6.3 Financial Updates
10.6.4 Key Developments

10.7 Samyang Chemical Corporation
10.7.1 Company Overview
10.7.2 Product/Business Segment Overview
10.7.3 Financial Updates
10.7.4 Key Developments

10.8 Methanol Chemicals Company
10.8.1 Company Overview
10.8.2 Product/Business Segment Overview
10.8.3 Financial Updates
10.8.4 Key Developments

10.9 Kanoria Chemicals & Industries Limited
10.9.1 Company Overview
10.9.2 Product/Business Segment Overview
10.9.3 Financial Updates
10.9.4 Key Developments
10.10 Jiangsu Ruiyang Chemical Co., Ltd.
10.10.1 Company Overview
10.10.2 Product/Business Segment Overview
10.10.3 Financial Updates
10.10.4 Key Developments
10.11 U-JIN Chemical Co.Ltd
10.11.1 Company Overview
10.11.2 Product/Business Segment Overview
10.11.3 Financial Updates
10.11.4 Key Developments

11 Conclusion

LIST OF TABLES
Table 1 World Population by Major Regions (2016 To 2030)
Table 2 Global Pentaerythritol Market: By Region, 2016-2023
Table 3 North America Pentaerythritol Market: By Country, 2016-2023
Table 4 Europe Pentaerythritol Market: By Country, 2016-2023
Table 5 Asia-Pacific Pentaerythritol Market: By Country, 2016-2023
Table 6 Middle East & Africa Pentaerythritol Market: By Country, 2016-2023
Table 7 Latin America Pentaerythritol Market: By Country, 2016-2023
Table 8 Global Pentaerythritol by Application Market: By Regions, 2016-2023
Table 9 North America Pentaerythritol by Application Market: By Country, 2016-2023
Table 10 Europe Pentaerythritol by Application Market: By Country, 2016-2023
Table 11 Asia-Pacific Pentaerythritol by Application Market: By Country, 2016-2023
Table 12 Middle East & Africa Pentaerythritol by Application Market: By Country, 2016-2023
Table 13 Latin America Pentaerythritol by Application Market: By Country, 2016-2023
Table 14 Global Application Market: By Region, 2016-2023
Table 15 North America Pentaerythritol Market, By Country
Table 16 North America Pentaerythritol Market, By Application
Table 17 Europe: Pentaerythritol Market, By Country
Table 18 Europe: Pentaerythritol Market, By Application
Table 19 Asia-Pacific: Pentaerythritol Market, By Country
Table 20 Asia-Pacific: Pentaerythritol Market, By Application
Table 21 Middle East & Africa: Pentaerythritol Market, By Country
Table 22 Middle East & Africa: Pentaerythritol Market, By Application
Table 23 Latin America: Pentaerythritol Market, By Country
Table 24 Latin America Pentaerythritol Market, By Application

LIST OF FIGURES
FIGURE 1 Global Pentaerythritol Market segmentation
FIGURE 2 Forecast Methodology
FIGURE 3 Five Forces Analysis of Global Pentaerythritol Market
FIGURE 4 Value Chain of Global Pentaerythritol Market
FIGURE 5 Share of Global Pentaerythritol Market in 2016, by country (in %)
FIGURE 6 Global Pentaerythritol Market, 2016-2023,
FIGURE 7 Sub segments of Application
FIGURE 8 Global Pentaerythritol Market size by Application, 2016