Global dimethyl carbonate market research report- information by grades (pharmaceutical grade, industrial grade, and battery grade), by application (polycarbonate, solvent, fuel additive, pesticide, pharmaceuticals, and others) region – Forecast till 2023

Synopsis of Dimethyl Carbonate Market:

Dimethyl Carbonate or DMC is a transparent, non-toxic versatile chemical with chemical formula CH3OC(O)OCH3. This compound can mix with almost all organic solvents such as ketones, alcohols, ethers, and others. Moreover, it possesses low toxicity and unique molecular structure, which makes them suitable for utilization in numerous application such as pharmaceuticals, pesticide, solvent, fuel additive, polycarbonate, and others. DMC is predominantly used as a methylating agent in the synthesis of anti-infective drugs, analgesic and antipyretic drugs, and vitamins. Previously, DMC was manufactured by the reaction of phosgene with methanol, but on account of highly toxic nature of phosgene, it is produced by other methods such as oxidation of methanol carbonylation or transesterification.

As per our analysis, some of the important market factors and trends identified in the global dimethyl carbonate market include increasing demand for low VOC contain paints, continuous growth of the pharmaceutical sector, and growing urbanization. Moreover, DMC is used to manufacture adhesive and aerosol, which is further utilized in the automotive and building & construction sector. Increasing construction activities across the globe are estimated to fuel the growth of the market over the estimated period. Furthermore, rising automotive production and sales in various developing countries are predicted to give new momentum to the growth of the market. It is considered as a green chemical on account of their non-toxic nature. Furthermore, stringent regulations regarding the VOC emission level along with rising usage in paints & coatings is estimated to propel the demand for DMC over the assessment period. Moreover, the tremendous growth of the polycarbonate industry due to significant growth in electrical & electronics and automotive industry across the globe is predicted to create a positive business influence on the global DMC market. However, stringent guidelines regarding the manufacturing of dimethyl carbonate pose a challenge for DMC manufacturers, which is estimated to hinder the growth of the market in the upcoming years.

The global dimethyl carbonate market share by application (2016), (%)
Regional Analysis:

The global dimethyl carbonate market is spanned across five regions, Europe, North America, Asia Pacific, Latin America, and the Middle East & Africa. Among these, Asia Pacific accounted for the leading market share for DMC in 2016 and is predicted to grow at the moderate CAGR over the estimated period due to the flourishing growth of various end-use industries such as agriculture, electrical & electronics, and building & construction among others. The demand for dimethyl carbonate is estimated to propel the growth of the market in the numerous countries of Asia Pacific such as Australia, Bangladesh, Japan, South Korea, India, Thailand, Taiwan, Malaysia, China, and Singapore due to a wide utilization by the end use application. Moreover, increasing demand for polycarbonate in the automotive and electronics sector further fuels the market growth.

The Asia Pacific emerged as the largest dimethyl carbonate market in 2016 followed by Europe and North America. In Europe, Russia, the U.K, Germany, France, and Italy are among the major contributors to the regional market growth on account of robust production base for the automotive sector along with increasing expenditure on innovation and R&D activities to develop environment-friendly paints, coatings, and inks. North America is expected to witness moderate growth in dimethyl carbonate market on account of the recovery of automotive sector combined with growing investments to revitalize building & construction industry over the assessment period. The U.S. and Canada are among the major contributors to the regional DMC market share and is estimated to register noteworthy growth due to the strong growth of the pharmaceutical & medical industry. In Latin America, countries such as Mexico, Brazil, and Venezuela are estimated to witness a moderate growth owing to increasing consumer spending on electronics and passenger cars. In the Middle East and Africa, countries such as Saudi Arabia, the United Arab Emirates, and Turkey are estimated to register significant growth due to growing residential, institutional, and commercial construction activities.

Segmentation:

The global dimethyl carbonate market is segmented on the basis of grades, application, and region. On the basis of the grades, the market is categorized into the pharmaceutical grade, industrial grade, and battery grade. On the basis of the application, the market is categorized into polycarbonate, solvent, fuel additive, pesticide, pharmaceuticals, and others. Others include adhesives and aerosol sprays. On the basis of the region, the market is categorized into Asia Pacific, Europe, Latin America, North America, and the Middle East & Africa.

Key Players:

Some of the prominent players operating in the global dimethyl carbonate are BASF SE (Germany), UBE (India), Alfa Aesar, Thermo Fisher Scientific. (U.S.), Merck KGaA (Germany), HaiKe Chemical Group (China), Tongling Jintai Chemical Industrial Co., Ltd (China), Tangshan Chaoyang Chemical Co.Ltd. (China), Arrow Chemical Group Corporation (China), Kowa India Pvt.Ltd (India), and Shandong Shida Shenghua Chemical Group Co.
(China) among others.

**Intended Audience:**
- Dimethyl Carbonate manufacturers
- Traders and Distributors of dimethyl carbonate
- Production Process Industries
- Potential Investors
- Raw Material Suppliers
- Nationalized Laboratory

**Contents:**

<table>
<thead>
<tr>
<th>Contents</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table of Contents</td>
<td></td>
</tr>
<tr>
<td>1 Executive Summary</td>
<td></td>
</tr>
<tr>
<td>2 Scope of the Report</td>
<td></td>
</tr>
<tr>
<td>2.1 Market Definition</td>
<td></td>
</tr>
<tr>
<td>2.2 Scope of the Study</td>
<td></td>
</tr>
<tr>
<td>2.2.1 Research Objectives</td>
<td></td>
</tr>
<tr>
<td>2.2.2 Assumptions &amp; Limitations</td>
<td></td>
</tr>
<tr>
<td>2.3 Markets Structure</td>
<td></td>
</tr>
<tr>
<td>3 Market Research Methodology</td>
<td></td>
</tr>
<tr>
<td>3.1 Research Process</td>
<td></td>
</tr>
<tr>
<td>3.2 Secondary Research</td>
<td></td>
</tr>
<tr>
<td>3.3 Primary Research</td>
<td></td>
</tr>
<tr>
<td>3.4 Forecast Model</td>
<td></td>
</tr>
<tr>
<td>4 Market Landscape</td>
<td></td>
</tr>
<tr>
<td>4.1 Five Forces Analysis</td>
<td></td>
</tr>
<tr>
<td>4.1.1 Threat of New Entrants</td>
<td></td>
</tr>
<tr>
<td>4.1.2 Bargaining Power of Buyers</td>
<td></td>
</tr>
<tr>
<td>4.1.3 Threat of Substitutes</td>
<td></td>
</tr>
<tr>
<td>4.1.4 Segment Rivalry</td>
<td></td>
</tr>
<tr>
<td>4.2 Value Chain/Supply Chain of Global Dimethyl Carbonate Market</td>
<td></td>
</tr>
<tr>
<td>5 Industry Overview of Global Dimethyl Carbonate Market</td>
<td></td>
</tr>
<tr>
<td>5.1 Introduction</td>
<td></td>
</tr>
<tr>
<td>5.2 Growth Drivers</td>
<td></td>
</tr>
<tr>
<td>5.3 Impact Analysis</td>
<td></td>
</tr>
<tr>
<td>5.4 Market Challenges</td>
<td></td>
</tr>
<tr>
<td>6 Market Trends</td>
<td></td>
</tr>
<tr>
<td>6.1 Introduction</td>
<td></td>
</tr>
<tr>
<td>6.2 Growth Trends</td>
<td></td>
</tr>
<tr>
<td>6.3 Impact Analysis</td>
<td></td>
</tr>
<tr>
<td>7. Global Dimethyl Carbonate Market by Grades</td>
<td></td>
</tr>
<tr>
<td>7.1 Introduction</td>
<td></td>
</tr>
<tr>
<td>7.2 Pharmaceutical grade</td>
<td></td>
</tr>
<tr>
<td>7.2.1 Market Estimates &amp; Forecast, 2016-2023</td>
<td></td>
</tr>
<tr>
<td>7.2.2 Market Estimates &amp; Forecast by Region, 2016-2023</td>
<td></td>
</tr>
<tr>
<td>7.3 Industrial Grade</td>
<td></td>
</tr>
<tr>
<td>7.3.1 Market Estimates &amp; Forecast, 2016-2023</td>
<td></td>
</tr>
<tr>
<td>7.3.2 Market Estimates &amp; Forecast by Region, 2016-2023</td>
<td></td>
</tr>
</tbody>
</table>
7.4 Battery Grade
7.4.1 Market Estimates & Forecast, 2016-2023
7.4.2 Market Estimates & Forecast by Region, 2016-2023

8. Global Dimethyl Carbonate Market by Application
8.1 Introduction
8.2 Polycarbonate
8.2.1 Market Estimates & Forecast, 2016-2023
8.2.2 Market Estimates & Forecast by Region, 2016-2023
8.3 Solvent
8.3.1 Market Estimates & Forecast, 2016-2023
8.3.2 Market Estimates & Forecast by Region, 2016-2023
8.4 Fuel Additive
8.4.1 Market Estimates & Forecast, 2016-2023
8.4.2 Market Estimates & Forecast by Region, 2016-2023
8.5 Pesticide
8.5.1 Market Estimates & Forecast, 2016-2023
8.5.2 Market Estimates & Forecast by Region, 2016-2023
8.6 Pharmaceuticals
8.6.1 Market Estimates & Forecast, 2016-2023
8.6.2 Market Estimates & Forecast by Region, 2016-2023
8.7 Others
8.7.1 Market Estimates & Forecast, 2016-2023
8.7.2 Market Estimates & Forecast by Region, 2016-2023

9. Global Dimethyl Carbonate Market by Region
9.1 Introduction
9.2 North America
9.2.1 Market Estimates & Forecast, 2016-2023
9.2.2 Market Estimates & Forecast by Grades, 2016-2023
9.2.3 Market Estimates & Forecast by Application, 2016-2023
9.2.4 US
9.2.4.1 Market Estimates & Forecast, 2016-2023
9.2.4.2 Market Estimates & Forecast by Grades, 2016-2023
9.2.4.3 Market Estimates & Forecast by Application, 2016-2023
9.2.5 Mexico
9.2.5.1 Market Estimates & Forecast, 2016-2023
9.2.5.2 Market Estimates & Forecast by Grades, 2016-2023
9.2.5.3 Market Estimates & Forecast by Application, 2016-2023
9.2.6 Canada
9.2.6.1 Market Estimates & Forecast, 2016-2023
9.2.6.2 Market Estimates & Forecast by Grades, 2016-2023
9.2.6.3 Market Estimates & Forecast by Application, 2016-2023
9.3 Europe
9.3.1 Market Estimates & Forecast, 2016-2023
9.3.2 Market Estimates & Forecast by Grades, 2016-2023
9.3.3 Market Estimates & Forecast by Application, 2016-2023
9.3.4 Germany
9.3.4.1 Market Estimates & Forecast, 2016-2023
9.3.4.2 Market Estimates & Forecast by Grades, 2016-2023
9.3.4.3 Market Estimates & Forecast by Application, 2016-2023
9.3.5. France
9.3.5.1 Market Estimates & Forecast, 2016-2023
9.3.5.2 Market Estimates & Forecast by Grades, 2016-2023
9.3.5.3 Market Estimates & Forecast by Application, 2016-2023
9.3.6 Italy
9.3.6.1 Market Estimates & Forecast, 2016-2023
9.3.6.2 Market Estimates & Forecast by Grades, 2016-2023
9.3.6.3 Market Estimates & Forecast by Application, 2016-2023
9.3.7 Spain
9.3.7.1 Market Estimates & Forecast, 2016-2023
9.3.7.2 Market Estimates & Forecast by Grades, 2016-2023
9.3.7.3 Market Estimates & Forecast by Application, 2016-2023
9.3.8 U.K
9.3.8.1 Market Estimates & Forecast, 2016-2023
9.3.8.2 Market Estimates & Forecast by Grades, 2016-2023
9.3.8.3 Market Estimates & Forecast by Application, 2016-2023
9.4 Asia Pacific
9.4.1 Market Estimates & Forecast, 2016-2023
9.4.2 Market Estimates & Forecast by Grades, 2016-2023
9.4.3 Market Estimates & Forecast by Application, 2016-2023
9.4.4 China
9.4.4.1 Market Estimates & Forecast, 2016-2023
9.4.4.2 Market Estimates & Forecast by Grades, 2016-2023
9.4.4.3 Market Estimates & Forecast by Application, 2016-2023
9.4.5 India
9.4.5.1 Market Estimates & Forecast, 2016-2023
9.4.5.2 Market Estimates & Forecast by Grades, 2016-2023
9.4.5.3 Market Estimates & Forecast by Application, 2016-2023
9.4.6 Japan
9.4.6.1 Market Estimates & Forecast, 2016-2023
9.4.6.2 Market Estimates & Forecast by Grades, 2016-2023
9.4.6.3 Market Estimates & Forecast by Application, 2016-2023
9.4.7 Australia
9.4.7.1 Market Estimates & Forecast, 2016-2023
9.4.7.2 Market Estimates & Forecast by Grades, 2016-2023
9.4.7.3 Market Estimates & Forecast by Application, 2016-2023
9.4.8 New Zealand
9.4.8.1 Market Estimates & Forecast, 2016-2023
9.4.8.2 Market Estimates & Forecast by Grades, 2016-2023
9.4.8.3 Market Estimates & Forecast by Application, 2016-2023
9.4.9 Rest of Asia Pacific
9.5 Middle East & Africa
9.5.1 Market Estimates & Forecast, 2016-2023
9.5.2 Market Estimates & Forecast by Grades, 2016-2023
9.5.3 Market Estimates & Forecast by Application, 2016-2023
9.5.4 Turkey
9.5.4.1 Market Estimates & Forecast, 2016-2023
9.5.4.2 Market Estimates & Forecast by Grades, 2016-2023
9.5.4.3 Market Estimates & Forecast by Application, 2016-2023
9.5.5 Israel
9.5.5.1 Market Estimates & Forecast, 2016-2023
9.5.5.2 Market Estimates & Forecast by Grades, 2016-2023
9.5.5.3 Market Estimates & Forecast by Application, 2016-2023
9.5.6 North Africa
9.5.6.1 Market Estimates & Forecast, 2016-2023
9.5.6.2 Market Estimates & Forecast by Grades, 2016-2023
9.5.6.3 Market Estimates & Forecast by Application, 2016-2023
9.5.7 GCC
9.5.7.1 Market Estimates & Forecast, 2016-2023
9.5.7.2 Market Estimates & Forecast by Grades, 2016-2023
9.5.7.3 Market Estimates & Forecast by Application, 2016-2023
9.5.8 Rest of Middle East & Africa
9.5.8.1 Market Estimates & Forecast, 2016-2023
9.5.8.2 Market Estimates & Forecast by Grades, 2016-2023
9.5.8.3 Market Estimates & Forecast by Application, 2016-2023
9.6 Latin America
9.6.1 Market Estimates & Forecast, 2016-2023
9.6.2 Market Estimates & Forecast by Grades, 2016-2023
9.6.3 Market Estimates & Forecast by Application, 2016-2023
9.6.4 Brazil
9.6.4.1 Market Estimates & Forecast, 2016-2023
9.6.4.2 Market Estimates & Forecast by Grades, 2016-2023
9.6.4.3 Market Estimates & Forecast by Application, 2016-2023
9.6.5 Argentina
9.6.5.1 Market Estimates & Forecast, 2016-2023
9.6.5.2 Market Estimates & Forecast by Grades, 2016-2023
9.6.5.3 Market Estimates & Forecast by Application, 2016-2023
9.6.6 Rest of Latin America
9.6.6.1 Market Estimates & Forecast, 2016-2023
9.6.6.2 Market Estimates & Forecast by Grades, 2016-2023
9.6.6.3 Market Estimates & Forecast by Application, 2016-2023

10. Company Landscape

11. Company Profiles
11.1 BASF SE
11.1.1 Company Overview
11.1.2 Product/Business Segment Overview
11.1.3 Financial Updates
11.1.4 Key Developments
11.2 UBE
11.2.1 Company Overview
11.2.2 Product/Business Segment Overview
11.2.3 Financial Updates
11.2.4 Key Developments

11.3 Alfa Aesar, Thermo Fisher Scientific

11.3.1 Company Overview

11.3.2 Product/Business Segment Overview

11.3.3 Financial Updates

11.3.4 Key Developments

11.4 Merck KGaA

11.4.1 Company Overview

11.4.2 Product/Business Segment Overview

11.4.3 Financial Updates

11.4.4 Key Developments

11.5 HaiKe Chemical Group

11.5.1 Company Overview

11.5.2 Product/Business Segment Overview

11.5.3 Financial Updates

11.5.4 Key Developments

11.6 Tongling Jintai Chemical Industrial Co. Ltd

11.6.1 Company Overview

11.6.2 Product/Business Segment Overview

11.6.3 Financial Updates

11.6.4 Key Developments

11.7 Tangshan Chaoyang Chemical CoLtd.

11.7.1 Company Overview

11.7.2 Product/Business Segment Overview

11.7.3 Financial Updates

11.7.4 Key Developments

11.8 Arrow Chemical Group Corporation

11.8.1 Company Overview

11.8.2 Product/Business Segment Overview

11.8.3 Financial Updates

11.8.4 Key Developments

11.9 Kowa India Pvt.Ltd

11.9.1 Company Overview

11.9.2 Product/Business Segment Overview

11.9.3 Financial Updates

11.9.4 Key Developments

11.10 Shandong Shida Shenghua Chemical Group Co.

11.10.1 Company Overview

11.10.2 Product/Business Segment Overview

11.10.3 Financial Updates

11.10.4 Key Developments

12. Conclusion

LIST OF TABLES

Table 1 World Population by Major Regions (2016 To 2023)

Table 2 Global Dimethyl Carbonate Market: By Region, 2016-2023

Table 3 North America Dimethyl Carbonate Market: By Country, 2016-2023

Table 4 Europe Dimethyl Carbonate Market: By Country, 2016-2023
Table 5 Asia-Pacific Dimethyl Carbonate Market: By Country, 2016-2023
Table 6 Middle East & Africa Dimethyl Carbonate Market: By Country, 2016-2023
Table 7 Latin America Dimethyl Carbonate Market: By Country, 2016-2023
Table 8 Global Dimethyl Carbonate by Grades Market: By Regions, 2016-2023
Table 9 North America Dimethyl Carbonate by Grades Market: By Country, 2016-2023
Table 10 Europe Dimethyl Carbonate by Grades Market: By Country, 2016-2023
Table 11 Asia-Pacific Dimethyl Carbonate by Grades Market: By Country, 2016-2023
Table 12 Middle East & Africa Dimethyl Carbonate by Grades Market: By Country, 2016-2023
Table 13 Latin America Dimethyl Carbonate by Grades Market: By Country, 2016-2023
Table 14 North America Dimethyl Carbonate for Application Market: By Country, 2016-2023
Table 15 Europe Dimethyl Carbonate for Application Market: By Country, 2016-2023
Table 16 Asia-Pacific Dimethyl Carbonate for Application Market: By Country, 2016-2023
Table 17 Middle East & Africa Dimethyl Carbonate for Application Market: By Country, 2016-2023
Table 18 Latin America Dimethyl Carbonate for Application Market: By Country, 2016-2023
Table 19 Global Grades Market: By Region, 2016-2023
Table 20 Global Application Market: By Region, 2016-2023
Table 21 North America Dimethyl Carbonate Market, By Country
Table 22 North America Dimethyl Carbonate Market, By Grades
Table 23 North America Dimethyl Carbonate Market, By Application
Table 24 Europe: Dimethyl Carbonate Market, By Country
Table 25 Europe: Dimethyl Carbonate Market, By Grades
Table 26 Europe: Dimethyl Carbonate Market, By Application
Table 27 Asia-Pacific: Dimethyl Carbonate Market, By Country
Table 28 Asia-Pacific: Dimethyl Carbonate Market, By Grades
Table 29 Asia-Pacific: Dimethyl Carbonate Market, By Application
Table 30 Middle East & Africa: Dimethyl Carbonate Market, By Country
Table 31 Middle East & Africa Dimethyl Carbonate Market, By Grades
Table 32 Middle East & Africa: Dimethyl Carbonate Market, By Application
Table 33 Latin America: Dimethyl Carbonate Market, By Country
Table 34 Latin America Dimethyl Carbonate Market, By Grades
Table 35 Latin America: Dimethyl Carbonate Market, By Application

LIST OF FIGURES

FIGURE 1 Global Dimethyl Carbonate Market segmentation
FIGURE 2 Forecast Methodology
FIGURE 3 Five Forces Analysis of Global Dimethyl Carbonate Market
FIGURE 4 Value Chain of Global Dimethyl Carbonate Market
FIGURE 5 Share of Global Dimethyl Carbonate Market in 2016, by country (in %)
FIGURE 6 Global Dimethyl Carbonate Market, 2016-2023,
FIGURE 7 Sub segments of Grades
FIGURE 8 Global Dimethyl Carbonate Market size by Grades, 2016
FIGURE 9 Share of Global Dimethyl Carbonate Market by Grades, 2016 to 2023
FIGURE 10 Sub segments of Application
FIGURE 11 Global Dimethyl Carbonate Market size by Application, 2016
FIGURE 12 Share of Global Dimethyl Carbonate Market by Application, 2016 to 2023