

1,3-Propanediol (PDO) Market by Application (Polytrimethylene terephthalate (PTT), Cosmetics, Personal Care & Cleaning Products, Polyurethane (PU)) and Region (Americas, APAC, Europe, Middle East & Africa (EMEA)) - Global Forecast to 2025

<https://marketpublishers.com/r/1D909EED3E9EN.html>

Date: August 2020

Pages: 134

Price: US\$ 4,950.00 (Single User License)

ID: 1D909EED3E9EN

Abstracts

“Growing demand for polytrimethylene terephthalate is expected to drive the 1,3-propanediol market.”

The global 1,3-propanediol market size is estimated to grow from USD 402 million in 2020 to USD 691 million by 2025, at a CAGR of 11.4%. The market growth is driven mainly by the increasing demand for polytrimethylene terephthalate (PTT) in the manufacturing of carpets and apparel due to its good physical properties and high mechanical performance. PTT is preferred over polymers such as nylon 6 and nylon 6,6 in these applications. 1,3-propanediol is the major feedstock for manufacturing PTT.

“Cosmetics, personal care, and cleaning products application segment is estimated to witness the highest growth rate between 2020 and 2025.”

The cosmetics, personal care, and cleaning products application segment is estimated to witness the highest growth rate between 2020 and 2025. Increasing usage of 1,3-propanediol by major manufacturers of these products such as L'Oréal (France), Avon Products, Inc. (UK), Unilever (UK), Method Products (US) and Estée Lauder Inc. (US) is driving the market growth.

“1,3-propanediol market in EMEA to witness strong growth during the forecast period.”

The EMEA 1,3-propanediol market is estimated to witness significant growth during the

forecast period. The growing demand for bio-based products in the region and the increasing usage of 1,3-propanediol by manufacturers in the growing cosmetics, personal care & cleaning products industry is driving the 1,3-propanediol market in the region.

Additionally, the strong distribution network of DuPont Tate & Lyle Bio Products Company, LLC (US) in countries of Europe and Middle East & Africa such as Austria, Belgium, Bulgaria, Croatia, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Israel, Italy, Lithuania, the Netherlands, Norway, Poland, Portugal, Russia, Slovakia, Spain, Sweden, Switzerland, Ukraine, the UK, and Turkey is estimated to influence the demand for 1,3-propanediol in the region positively.

By Company Type: Tier 1 - 46%, Tier 2 - 31%, and Tier 3 - 23%

By Designation: C-Level - 63%, Managers - 37%

By Region: Americas - 38%, APAC - 33%, Europe, Middle East & Africa - 29%

The key players profiled in the report include DuPont Tate & Lyle Bio Products Company, LLC (US), Zouping Mingxing Chemical Co., Ltd. (China), Zhangjiagang Glory Biomaterial Co., Ltd. (China), Haihang Industry Company Ltd. (China), Tokyo Chemical Industry Co., Ltd. (Japan), and Merck KGaA (Germany). Players planning to enter the 1,3-propanediol include Metabolic Explorer (France) and Sheng Hong Group Holdings Ltd. (China).

Research Coverage

This report segments the market for 1,3-propanediol based on application and region and provides estimations for the overall market size across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products & services, key strategies, expansions, innovations, and partnerships associated with the 1,3-propanediol market.

Reasons to Buy this Report

This research report is focused on various levels of analysis — industry analysis (industry trends), market share analysis of top players, and company profiles, which together provide an overall view on the competitive landscape; emerging and high-

growth segments of the 1,3-propanediol market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on 1,3-propanediol offered by top players in the global market

Product Development/Innovation: Detailed insights on upcoming technologies, R&D activities, and innovation in the 1,3-propanediol market

Market Development: Comprehensive information about lucrative emerging markets — the report analyzes the markets for 1,3-propanediol across regions

Market Diversification: Exhaustive information about new application areas and recent developments in the global 1,3-propanediol market

Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the 1,3-propanediol market

Impact of COVID-19 on the 1,3-propanediol Market

Contents

1 INTRODUCTION

1.1 OBJECTIVES OF THE STUDY

1.2 MARKET DEFINITION

1.2.1 1,3-PROPANEDIOL MARKET: INCLUSIONS & EXCLUSIONS

1.3 MARKET SCOPE

FIGURE 1 MARKET SEGMENTATION

1.3.1 YEARS CONSIDERED FOR THE STUDY

1.4 CURRENCY

1.5 UNITS CONSIDERED

1.6 LIMITATIONS

1.7 STAKEHOLDERS

2 RESEARCH METHODOLOGY

2.1 BASE NUMBER CALCULATION

2.1.1 SUPPLY-SIDE APPROACH

2.1.1.1 Approach 1

2.1.1.2 Approach 2

2.1.2 DEMAND-SIDE APPROACH

2.2 FACTORS IMPACTING THE 1,3-PDO MARKET IN 2020

2.3 FORECAST NUMBER CALCULATION

2.3.1 MARKET FORECAST (SCENARIO 1)

2.3.2 MARKET FORECAST (SCENARIO 2)

2.4 MARKET ENGINEERING PROCESS

2.4.1 BOTTOM-UP APPROACH

FIGURE 2 1,3-PROPANEDIOL MARKET: BOTTOM-UP APPROACH

2.4.2 TOP-DOWN APPROACH

FIGURE 3 1,3-PROPANEDIOL MARKET: TOP-DOWN APPROACH

2.5 DATA TRIANGULATION

2.6 ASSUMPTIONS

2.7 SECONDARY DATA

2.8 PRIMARY DATA

2.8.1 BREAKDOWN OF PRIMARY INTERVIEWS

2.8.2 KEY INDUSTRY INSIGHTS

3 EXECUTIVE SUMMARY

FIGURE 4 PTT ACCOUNTED FOR THE LARGEST SHARE OF THE

1,3-PROPANEDIOL MARKET IN 2019

FIGURE 5 THE AMERICAS ACCOUNTED FOR THE LARGEST SHARE OF THE 1,3-PROPANEDIOL MARKET IN 2019

FIGURE 6 1,3-PDO MARKET: PRE-COVID-19 VS. POST-COVID-19 SCENARIO

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN THE 1,3-PROPANEDIOL MARKET

FIGURE 7 GROWING DEMAND FOR PTT TO DRIVE THE 1,3-PROPANEDIOL MARKET

4.2 1,3-PROPANEDIOL MARKET, BY REGION

FIGURE 8 APAC TO BE THE FASTEST-GROWING REGIONAL SEGMENT IN THE

1,3-PROPANEDIOL MARKET

4.3 AMERICAS: 1,3-PROPANEDIOL MARKET, BY APPLICATION

FIGURE 9 PTT ACCOUNTED FOR THE LARGEST MARKET SHARE IN 2019

4.4 1,3-PROPANEDIOL MARKET, BY APPLICATION

FIGURE 10 PTT WAS THE LARGEST APPLICATION OF 1,3-PROPANEDIOL GLOBALLY

5 MARKET OVERVIEW

5.1 INTRODUCTION

TABLE 1 1,3-PROPANEDIOL: PHYSICAL & CHEMICAL PROPERTIES

5.2 EVOLUTION

FIGURE 11 1,3-PROPANEDIOL PRODUCTION TREND: INCREASED FOCUS ON BIOPROCESSING

5.3 MARKET DYNAMICS

FIGURE 12 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN THE

1,3-PROPANEDIOL MARKET

5.3.1 DRIVERS

5.3.1.1 High demand for environment-friendly, bio-based products

FIGURE 13 GREENHOUSE GAS EMISSIONS: BIO-BASED PDO HAS LOWEST EMISSIONS

FIGURE 14 NON-RENEWABLE ENERGY CONSUMPTION: BIO-BASED PDO PRODUCTION HAS LOWEST ENERGY CONSUMPTION

5.3.1.2 Increasing use in resin applications

5.3.1.3 Growing demand for PTT

TABLE 2 COMPARISON OF FIBERS, BY PROPERTY

5.3.2 RESTRAINTS

5.3.2.1 Availability of substitutes at comparatively lower costs

5.3.3 OPPORTUNITIES

5.3.3.1 High growth potential in emerging economies

5.3.3.2 New application areas of 1,3-PDO

5.3.3.3 Genetically engineered microorganisms for glycerol fermentation

5.3.4 CHALLENGES

5.3.4.1 Lack of awareness about the benefits of 1,3-propanediol in industrial applications

5.4 PATENT ANALYSIS

TABLE 3 PATENTS FOR PDO PRODUCTION

TABLE 4 PATENTS FOR USE OF PDO IN PERSONAL CARE AND COSMETIC APPLICATIONS

TABLE 5 PATENTS FOR USE OF PDO IN OTHER APPLICATIONS

5.5 RAW MATERIAL ANALYSIS

5.5.1 GLYCEROL

TABLE 6 BIODIESEL PRODUCTION, BY COUNTRY, 2014–2017 (KILOTON)

5.5.2 CORN

TABLE 7 CORN PRODUCTION AND CONSUMPTION, BY COUNTRY, 2019 (MILLION TONS)

5.6 PORTER'S FIVE FORCES ANALYSIS

FIGURE 15 THREAT FROM NEW PLAYERS ENTERING THE 1,3-PROPANEDIOL MARKET LIKELY TO BE SIGNIFICANT

5.6.1 THREAT FROM SUBSTITUTES

5.6.2 BARGAINING POWER OF SUPPLIERS

5.6.3 BARGAINING POWER OF BUYERS

5.6.4 THREAT FROM NEW ENTRANTS

5.6.5 INTENSITY OF COMPETITIVE RIVALRY

5.7 COVID-19 IMPACT ON THE 1,3-PDO MARKET

5.7.1 DISRUPTION IN PTT APPLICATIONS

5.7.2 DISRUPTION IN THE COSMETICS AND CLEANING INDUSTRY

5.7.3 DISRUPTION IN THE POLYURETHANE INDUSTRY

6 1,3-PROPANEDIOL MARKET, BY APPLICATION

6.1 INTRODUCTION

FIGURE 16 PTT APPLICATION SEGMENT TO LEAD THE OVERALL

1,3-PROPANEDIOL MARKET

TABLE 8 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2016–2019 (KILOTON)

TABLE 9 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2020–2025 (KILOTON)

TABLE 10 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 11 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2020–2025 (USD MILLION)

TABLE 12 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2016–2019 (KILOTON)

TABLE 13 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2020–2025 (KILOTON)

TABLE 14 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 15 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2020–2025 (USD MILLION)

6.2 POLYTRIMETHYLENE TEREPHTHALATE (PTT)

6.2.1 DEMAND FOR 1,3-PROPANEDIOL IN PPT APPLICATIONS DRIVEN BY THE APPAREL AND CARPET INDUSTRY

FIGURE 17 MANUFACTURING PROCESS OF BIO-PTT

FIGURE 18 THE AMERICAS TO LEAD THE 1,3-PROPANEDIOL MARKET IN PTT APPLICATION

TABLE 16 RECENT ACTIVITIES IN THE 1,3-PROPANEDIOL MARKET IN PTT APPLICATIONS

TABLE 17 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN PTT, 2016–2019 (VOLUME & VALUE)

TABLE 18 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN PTT, 2020–2025 (VOLUME & VALUE)

TABLE 19 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN PTT, 2016–2019 (VOLUME & VALUE)

TABLE 20 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN PTT, 2020–2025

(VOLUME & VALUE)

TABLE 21 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN PTT, BY REGION, 2016–2019 (KILOTON)

TABLE 22 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN PTT, BY REGION, 2020–2025 (KILOTON)

TABLE 23 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN PTT, BY REGION, 2016–2019 (USD MILLION)

TABLE 24 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN PTT, BY REGION, 2020–2025 (USD MILLION)

TABLE 25 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN PTT, BY REGION, 2016–2019 (KILOTON)

TABLE 26 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN PTT, BY REGION, 2020–2025 (KILOTON)

TABLE 27 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN PTT, BY REGION, 2016–2019 (USD MILLION)

TABLE 28 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN PTT, BY REGION, 2020–2025 (USD MILLION)

6.3 COSMETICS, PERSONAL CARE, AND CLEANING PRODUCTS

6.3.1 PERSONAL CARE

6.3.1.1 Changing lifestyles and increasing purchasing power will drive the personal care application segment

6.3.2 INDUSTRIAL AND INSTITUTIONAL CLEANING

6.3.2.1 Increasing awareness about workplace hygiene will drive the market
FIGURE 19 EMEA TO LEAD THE 1,3-PROPANEDIOL MARKET IN COSMETICS, PERSONAL CARE, AND CLEANING PRODUCTS APPLICATIONS

TABLE 29 RECENT ACTIVITIES IN THE 1,3-PROPANEDIOL MARKET IN COSMETICS, PERSONAL CARE, AND CLEANING PRODUCTS APPLICATIONS

TABLE 30 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN COSMETICS, PERSONAL CARE, AND CLEANING PRODUCTS, 2016–2019 (VOLUME & VALUE)

TABLE 31 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN COSMETICS, PERSONAL CARE, AND CLEANING PRODUCTS, 2020–2025 (VOLUME & VALUE)

TABLE 32 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN COSMETICS, PERSONAL CARE, AND CLEANING PRODUCTS, 2016–2019 (VOLUME & VALUE)

TABLE 33 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN COSMETICS, PERSONAL CARE, AND CLEANING PRODUCTS, 2020–2025 (VOLUME & VALUE)

TABLE 34 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN COSMETICS, PERSONAL CARE, AND CLEANING PRODUCTS, BY REGION, 2016–2019 (KILOTON)

TABLE 35 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN COSMETICS,

PERSONAL CARE, AND CLEANING PRODUCTS, BY REGION, 2020–2025
(KILOTON)

TABLE 36 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN COSMETICS,
PERSONAL CARE, AND CLEANING PRODUCTS, BY REGION, 2016–2019 (USD
MILLION)

TABLE 37 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN COSMETICS,
PERSONAL CARE, AND CLEANING PRODUCTS, BY REGION, 2020–2025 (USD
MILLION)

TABLE 38 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN COSMETICS,
PERSONAL CARE, AND CLEANING PRODUCTS, BY REGION, 2016–2019
(KILOTON)

TABLE 39 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN COSMETICS,
PERSONAL CARE, AND CLEANING PRODUCTS, BY REGION, 2020–2025
(KILOTON)

TABLE 40 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN COSMETICS,
PERSONAL CARE, AND CLEANING PRODUCTS, BY REGION, 2016–2019 (USD
MILLION)

TABLE 41 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN COSMETICS,
PERSONAL CARE, AND CLEANING PRODUCTS, BY REGION, 2020–2025 (USD
MILLION)

6.4 POLYURETHANE

6.4.1 HIGH DEMAND FROM THE FURNITURE AND FOOTWEAR INDUSTRIES TO
DRIVE THE MARKET FOR 1,3-PDO IN PU APPLICATIONS

FIGURE 20 APAC TO BE THE FASTEST-GROWING MARKET FOR
1,3-PROPANEDIOL IN PU APPLICATION

TABLE 42 RECENT ACTIVITIES IN 1,3-PROPANEDIOL MARKET IN PU
APPLICATION

TABLE 43 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN PU, 2016–2019
(VOLUME & VALUE)

TABLE 44 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN PU, 2020–2025
(VOLUME & VALUE)

TABLE 45 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN PU, 2016–2019
(VOLUME & VALUE)

TABLE 46 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN PU, 2020–2025
(VOLUME & VALUE)

TABLE 47 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN PU, BY REGION,
2016–2019 (KILOTON)

TABLE 48 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN PU, BY REGION,
2020–2025 (KILOTON)

TABLE 49 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN PU, BY REGION, 2016–2019 (USD MILLION)

TABLE 50 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN PU, BY REGION, 2020–2025 (USD MILLION)

TABLE 51 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN PU, BY REGION, 2016–2019 (KILOTON)

TABLE 52 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN PU, BY REGION, 2020–2025 (KILOTON)

TABLE 53 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN PU, BY REGION, 2016–2019 (USD MILLION)

TABLE 54 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN PU, BY REGION, 2020–2025 (USD MILLION)

6.5 OTHERS

FIGURE 21 EMEA TO BE THE FASTEST-GROWING MARKET FOR 1,3-PROPANEDIOL IN OTHER APPLICATIONS

TABLE 55 RECENT ACTIVITIES IN 1,3-PROPANEDIOL MARKET IN OTHER APPLICATIONS

TABLE 56 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN OTHER APPLICATIONS, 2016–2019 (VOLUME & VALUE)

TABLE 57 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN OTHER APPLICATIONS, 2020–2025 (VOLUME & VALUE)

TABLE 58 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN OTHER APPLICATIONS, 2016–2019 (VOLUME & VALUE)

TABLE 59 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN OTHER APPLICATIONS, 2020–2025 (VOLUME & VALUE)

TABLE 60 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN OTHER APPLICATIONS, BY REGION, 2016–2019 (KILOTON)

TABLE 61 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN OTHER APPLICATIONS, BY REGION, 2020–2025 (KILOTON)

TABLE 62 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN OTHER APPLICATIONS, BY REGION, 2016–2019 (USD MILLION)

TABLE 63 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE IN OTHER APPLICATIONS, BY REGION, 2020–2025 (USD MILLION)

TABLE 64 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN OTHER APPLICATIONS, BY REGION, 2016–2019 (KILOTON)

TABLE 65 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN OTHER APPLICATIONS, BY REGION, 2020–2025 (KILOTON)

TABLE 66 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN OTHER APPLICATIONS, BY REGION, 2016–2019 (USD MILLION)

TABLE 67 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE IN OTHER APPLICATIONS, BY REGION, 2020–2025 (USD MILLION)

7 1,3-PROPANEDIOL MARKET, BY REGION

7.1 INTRODUCTION

FIGURE 22 AMERICAS TO BE THE LARGEST MARKET FOR 1,3-PROPANEDIOL DURING THE FORECAST PERIOD

TABLE 68 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE, 2016–2019 (VOLUME & VALUE)

TABLE 69 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE, 2020–2025 (VOLUME & VALUE)

TABLE 70 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE, 2016–2019 (VOLUME & VALUE)

TABLE 71 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE, 2020–2025 (VOLUME & VALUE)

TABLE 72 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE, BY REGION, 2016–2019 (KILOTON)

TABLE 73 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE, BY REGION, 2020–2025 (KILOTON)

TABLE 74 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE, BY REGION, 2016–2019 (USD MILLION)

TABLE 75 SCENARIO 1: 1,3-PROPANEDIOL MARKET SIZE, BY REGION, 2020–2025 (USD MILLION)

TABLE 76 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE, BY REGION, 2016–2019 (KILOTON)

TABLE 77 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE, BY REGION, 2020–2025 (KILOTON)

TABLE 78 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE, BY REGION, 2016–2019 (USD MILLION)

TABLE 79 SCENARIO 2: 1,3-PROPANEDIOL MARKET SIZE, BY REGION, 2020–2025 (USD MILLION)

7.2 AMERICAS

7.2.1 PRESENCE OF SOME OF THE LARGEST MANUFACTURERS OF BIO-BASED PDO DRIVE THE MARKET IN THIS REGION

FIGURE 23 AMERICAS: 1,3-PROPANEDIOL MARKET SNAPSHOT

TABLE 80 SCENARIO 1: AMERICAS 1,3-PROPANEDIOL MARKET SIZE, 2016–2019 (VOLUME & VALUE)

TABLE 81 SCENARIO 1: AMERICAS 1,3-PROPANEDIOL MARKET SIZE, 2020–2025

(VOLUME & VALUE)

TABLE 82 SCENARIO 2: AMERICAS 1,3-PROPANEDIOL MARKET SIZE, 2016–2019

(VOLUME & VALUE)

TABLE 83 SCENARIO 2: AMERICAS 1,3-PROPANEDIOL MARKET SIZE, 2020–2025

(VOLUME & VALUE)

TABLE 84 SCENARIO 1: AMERICAS 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2016–2019 (KILOTON)

TABLE 85 SCENARIO 1: AMERICAS 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2020–2025 (KILOTON)

TABLE 86 SCENARIO 1: AMERICAS 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 87 SCENARIO 1: AMERICAS 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2020–2025 (USD MILLION)

TABLE 88 SCENARIO 2: AMERICAS 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2016–2019 (KILOTON)

TABLE 89 SCENARIO 2: AMERICAS 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2020–2025 (KILOTON)

TABLE 90 SCENARIO 2: AMERICAS 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 91 SCENARIO 2: AMERICAS 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2020–2025 (USD MILLION)

7.3 APAC

7.3.1 INCREASED MANUFACTURING OF PTT IN CHINA TO DRIVE THE PDO MARKET

FIGURE 24 APAC: 1,3-PROPANEDIOL MARKET SNAPSHOT

TABLE 92 SCENARIO 1: APAC 1,3-PROPANEDIOL MARKET SIZE, 2016–2019 (VOLUME & VALUE)

TABLE 93 SCENARIO 1: APAC 1,3-PROPANEDIOL MARKET SIZE, 2020–2025 (VOLUME & VALUE)

TABLE 94 SCENARIO 2: APAC 1,3-PROPANEDIOL MARKET SIZE, 2016–2019 (VOLUME & VALUE)

TABLE 95 SCENARIO 2: APAC 1,3-PROPANEDIOL MARKET SIZE, 2020–2025 (VOLUME & VALUE)

TABLE 96 SCENARIO 1: APAC 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2016–2019 (KILOTON)

TABLE 97 SCENARIO 1: APAC 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2020–2025 (KILOTON)

TABLE 98 SCENARIO 1: APAC 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 99 SCENARIO 1: APAC 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2020–2025 (USD MILLION)

TABLE 100 SCENARIO 2: APAC 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2016–2019 (KILOTON)

TABLE 101 SCENARIO 2: APAC 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2020–2025 (KILOTON)

TABLE 102 SCENARIO 2: APAC 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 103 SCENARIO 2: APAC 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2020–2025 (USD MILLION)

7.4 EUROPE, MIDDLE EAST AFRICA

7.4.1 PDO MARKET IN EMEA TO WITNESS HIGHEST GROWTH IN COSMETICS, PERSONAL CARE, AND CLEANING PRODUCTS APPLICATIONS

FIGURE 25 EMEA: 1,3-PROPANEDIOL MARKET SNAPSHOT

TABLE 104 SCENARIO 1: EMEA 1,3-PROPANEDIOL MARKET SIZE, 2016–2019 (VOLUME & VALUE)

TABLE 105 SCENARIO 1: EMEA 1,3-PROPANEDIOL MARKET SIZE, 2020–2025 (VOLUME & VALUE)

TABLE 106 SCENARIO 2: EMEA 1,3-PROPANEDIOL MARKET SIZE, 2016–2019 (VOLUME & VALUE)

TABLE 107 SCENARIO 2: EMEA 1,3-PROPANEDIOL MARKET SIZE, 2020–2025 (VOLUME & VALUE)

TABLE 108 SCENARIO 1: EMEA 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2016–2019 (KILOTON)

TABLE 109 SCENARIO 1: EMEA 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2020–2025 (KILOTON)

TABLE 110 SCENARIO 1: EMEA 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 111 SCENARIO 1: EMEA 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2020–2025 (USD MILLION)

TABLE 112 SCENARIO 2: EMEA 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2016–2019 (KILOTON)

TABLE 113 SCENARIO 2: EMEA 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2020–2025 (KILOTON)

TABLE 114 SCENARIO 2: EMEA 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 115 SCENARIO 2: EMEA 1,3-PROPANEDIOL MARKET SIZE, BY APPLICATION, 2020–2025 (USD MILLION)

8 COMPETITIVE LANDSCAPE

8.1 OVERVIEW

FIGURE 26 EXPANSION WAS THE KEY GROWTH STRATEGY ADOPTED BY THE MARKET PLAYERS BETWEEN 2014 AND 2019

8.2 MARKET SHARE ANALYSIS

8.3 COMPETITIVE SITUATION AND TRENDS

8.3.1 EXPANSIONS

TABLE 116 EXPANSIONS, 2014–2019

8.3.2 INNOVATIONS

TABLE 117 INNOVATIONS, 2014–2019

8.3.3 PARTNERSHIPS

TABLE 118 PARTNERSHIPS, 2014–2019

9 COMPANY PROFILES

9.1 EXISTING PLAYERS

(Business Overview, Products Offered, Winning Imperatives, Short-term Strategies: COVID-19 Impact Recent Developments, Long-term Strategies, Threat from Competition, and Right to Win)*

9.1.1 DUPONT TATE & LYLE BIO PRODUCTS COMPANY, LLC

FIGURE 27 DUPONT TATE & LYLE BIO PRODUCTS COMPANY, LLC: WINNING IMPERATIVES

9.1.2 ZHANGJIAGANG GLORY BIOMATERIAL CO., LTD.

FIGURE 28 ZHANGJIAGANG GLORY BIOMATERIAL CO., LTD: WINNING IMPERATIVES

9.1.3 ZOUPING MINGXING CHEMICAL CO., LTD.

FIGURE 29 ZOUPING MINGXING CHEMICAL CO., LTD.: WINNING IMPERATIVES

9.1.4 HAIHANG INDUSTRY CO., LTD.

9.1.5 MERCK KGAA

FIGURE 30 MERCK KGGA: COMPANY SNAPSHOT

9.1.6 TOKYO CHEMICAL INDUSTRY CO., LTD.

9.2 UPCOMING PLAYERS

9.2.1 METABOLIC EXPLORER

9.2.2 SHENG HONG GROUP HOLDINGS LTD.

* Business Overview, Products Offered, Winning Imperatives, Short-term Strategies: COVID-19 Impact Recent Developments, Long-term Strategies, Threat from Competition, and Right to Win might not be captured in case of unlisted companies.

10 ADJACENT & RELATED MARKETS

10.1 INTRODUCTION

10.2 LIMITATIONS

10.3 1,3-PDO ECOSYSTEM AND INTERCONNECTED MARKETS

FIGURE 31 1,3-PDO: CONNECTED MARKETS

10.4 PERSONAL CARE INGREDIENTS MARKET

10.4.1 MARKET DEFINITION

10.4.2 MARKET OVERVIEW

FIGURE 32 PERSONAL CARE INGREDIENTS MARKET IS EXPECTED TO WITNESS STEADY GROWTH

10.5 PERSONAL CARE INGREDIENTS MARKET, BY APPLICATION

10.5.1 INTRODUCTION

10.5.2 SKIN CARE

TABLE 119 PERSONAL CARE INGREDIENTS MARKET SIZE IN SKIN CARE APPLICATION, BY REGION, 2015–2022 (USD MILLION)

10.5.3 HAIR CARE

TABLE 120 PERSONAL CARE INGREDIENTS MARKET SIZE IN HAIR CARE APPLICATION, BY REGION, 2015–2022 (USD MILLION)

10.5.4 ORAL CARE

TABLE 121 PERSONAL CARE INGREDIENTS MARKET SIZE IN ORAL CARE APPLICATION, BY REGION, 2015–2022 (USD MILLION)

10.5.5 MAKE-UP

TABLE 122 PERSONAL CARE INGREDIENTS MARKET SIZE IN MAKE-UP APPLICATION, BY REGION, 2015–2022 (USD MILLION)

10.5.6 OTHERS

TABLE 123 PERSONAL CARE INGREDIENTS MARKET SIZE IN OTHER APPLICATIONS, BY REGION, 2015–2022 (USD MILLION)

10.6 PERSONAL CARE INGREDIENTS MARKET, BY REGION

10.6.1 INTRODUCTION

TABLE 124 PERSONAL CARE INGREDIENTS MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)

10.6.2 ASIA PACIFIC

TABLE 125 ASIA PACIFIC: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)

TABLE 126 ASIA PACIFIC: PERSONAL CARE INGREDIENTS MARKET SIZE, BY COUNTRY, 2015–2022 (USD MILLION)

10.6.2.1 China

TABLE 127 CHINA: PERSONAL CARE INGREDIENTS MARKET SIZE, BY

APPLICATION, 2015–2022 (USD MILLION)

10.6.2.2 Japan

TABLE 128 JAPAN: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)

10.6.2.3 South Korea

TABLE 129 SOUTH KOREA: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)

10.6.3 EUROPE

TABLE 130 EUROPE: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)

TABLE 131 EUROPE: PERSONAL CARE INGREDIENTS MARKET SIZE, BY COUNTRY, 2015–2022(USD MILLION)

10.6.3.1 France

TABLE 132 FRANCE: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)

10.6.3.2 Germany

TABLE 133 GERMANY: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)

10.6.3.3 UK

TABLE 134 UK: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)

10.6.4 NORTH AMERICA

TABLE 135 NORTH AMERICA: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)

TABLE 136 NORTH AMERICA: PERSONAL CARE INGREDIENTS MARKET SIZE, BY COUNTRY, 2015–2022 (USD MILLION)

10.6.4.1 US

TABLE 137 US: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)

10.6.4.2 Canada

TABLE 138 CANADA: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)

10.6.4.3 Mexico

TABLE 139 MEXICO: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)

10.6.5 MIDDLE EAST & AFRICA

TABLE 140 MIDDLE EAST & AFRICA: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)

TABLE 141 MIDDLE EAST & AFRICA: PERSONAL CARE INGREDIENTS MARKET

SIZE, BY COUNTRY, 2015–2022 (USD MILLION)**10.6.5.1 Turkey****TABLE 142 TURKEY: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)****10.6.5.2 Iran****TABLE 143 IRAN: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)****10.6.5.3 Saudi Arabia****TABLE 144 SAUDI ARABIA: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)****10.6.6 SOUTH AMERICA****TABLE 145 SOUTH AMERICA: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)****TABLE 146 SOUTH AMERICA: PERSONAL CARE INGREDIENTS MARKET SIZE, BY COUNTRY, 2015–2022 (USD MILLION)****10.6.6.1 Brazil****TABLE 147 BRAZIL: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)****10.6.6.2 Argentina****TABLE 148 ARGENTINA: PERSONAL CARE INGREDIENTS MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)****11 APPENDIX****11.1 DISCUSSION GUIDE****11.2 KNOWLEDGE STORE: MARKETSSANDMARKETS' SUBSCRIPTION PORTAL****11.3 AVAILABLE CUSTOMIZATIONS****11.4 RELATED REPORTS****11.5 AUTHOR DETAILS**

I would like to order

Product name: 1,3-Propanediol (PDO) Market by Application (Polytrimethylene terephthalate (PTT), Cosmetics, Personal Care & Cleaning Products, Polyurethane (PU)) and Region (Americas, APAC, Europe, Middle East & Africa (EMEA)) - Global Forecast to 2025

Product link: <https://marketpublishers.com/r/1D909EED3E9EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/1D909EED3E9EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970