

Bio-based Platform Chemicals Market by Types (C-3 (Glycerol, 3-Hydroxypropionic Acid), C-4 (Succinic, Fumaric, Malic & Aspartic Acid), C-5 (Levulinic, Glutamic & Itaconic Acid, Xylitol), C-6 (Sorbitol, Glucaric Acid)) - Global Opportunity Analysis and Industry Forecast, 2014 - 2021

<https://marketpublishers.com/r/W1B829C4B91EN.html>

Date: February 2016

Pages: 120

Price: US\$ 5,540.00 (Single User License)

ID: W1B829C4B91EN

Abstracts

Platform chemicals, represent group of twelve (one not commercialized yet) building block chemicals that can be produced from sugar via biological conversions. The group contains molecules with different functional groups, holding the potential to be converted into various other high value chemicals. The market for platform chemicals has witnessed a tremendous growth since the past few years. Stringent government regulations and increasing adoption of eco-friendly products are significant factors driving the growth of the platform chemicals market. In 2015, global platform chemicals volume stood at 9,409.8 kilo tons and is expected to grow at a CAGR of 8.1%, during the forecast period.

Platform chemicals market has been segmented by type as C-3 (glycerol, 3-hydroxypropionic acid), C-4(1,4-diacids, aspartic acid, 3-hydroxybutyrolactone), C-5(Levulinic acid, glutamic acid, itaconic acid, xylitol), and C-6(Sorbitol, glucaric acid, 2,5-furan dicarboxylic acid). In 2015, C-3 platform chemicals segment held the largest share of 65%, in terms of volume. This was due to the growth in end user industries such as plastic, construction and paints & coatings. Further, the growth is fueled by the increasing production of bio-diesel as C-3 chemicals are the resultant byproduct of bio-diesel.

In terms of geography, the market has been segmented into North America, Europe, Asia- Pacific & LAMEA. In 2015, Asia-Pacific consumed one-third of the total platform chemicals. Availability of renewable feedstock, increasing consumer awareness towards

green products and political turmoil existing in major oil producing countries are key factors driving the growth of platform chemicals market in Asia-Pacific. However, LAMEA would be the fastest growing market and is expected to grow at a CAGR of 8.5% during 2015-2021.

Competitive Intelligence on few prominent manufacturers of platform chemicals provide key insights in terms of strategies implemented to gain significant share in the platform chemicals market. The leading players in the market are adopting acquisition & innovation as key developmental strategies in order to expand their business horizons across different geographies and launch novel products in the market. Some of the leading manufacturers profiled in this report include Succinity GmbH, Bio-Amber Inc., Myriant Corporation, Novozymes, Cargill Incorporated, DSM, Metabolix Inc., GF Biochemicals, E.I. du Pont de Nemours and Company and Prinova LLC.

KEY MARKET BENEFITS:

The report includes extensive analysis of the factors driving as well as restraining the global bio-based platform chemicals market

The market projections for the period 2014-2021 have been included along with factors affecting the same

The report also provides quantitative as well as qualitative trends to help the stakeholders in understanding the situations prevailing in the market

An in-depth analysis of key segments of the market demonstrates stakeholders with different types of platform chemicals consumed across different industries.

SWOT analysis enables study of the internal environment of leading companies for strategy formulation

Competitive intelligence highlights the business practices followed by the leading market players across various geographies

BIO-BASED PLATFORM CHEMICALS MARKET KEY SEGMENTS:

By Types

C-3

Glycerol

3-Hydroxypropionic Acid

C-4

Succinic Acid

Fumaric Acid

Malic Acid

Aspartic Acid

C-5

Levulinic Acid

Glutamic Acid

Itaconic Acid

Xylitol

C-6

Sorbitol

Glucaric Acid

2,5-Furan Dicarboxylic Acid

By Geography

North America

Glycerol

3-hydroxy propionic acid

Succinic Acid

Fumaric Acid

Malic Acid

Aspartic Acid

Levulinic Acid

Glutamic Acid

Itaconic Acid

Xylitol

Others

Europe

Glycerol

3-hydroxy propionic acid

Succinic Acid

Fumaric Acid

Malic Acid

Aspartic Acid

Levulinic Acid

Glutamic Acid

Itaconic Acid

Xylitol

Others

Asia-Pacific

Glycerol

3-hydroxy propionic acid

Succinic Acid

Fumeric Acid

Malic Acid

Aspartic Acid

Levulinic Acid

Glutamic Acid

Itaconic Acid

Xylitol

Others

LAMEA

Glycerol

3-hydroxy propionic acid

Succinic Acid

Fumeric Acid

Malic Acid

Aspartic Acid

Levulinic Acid

Glutamic Acid

Itaconic Acid

Xylitol

Others

Contents

CHAPTER 1 INTRODUCTION

- 1.1 Report Description
- 1.2 KEY MARKET BENEFITS:
- 1.3 KEY MARKET SEGMENTS:
- 1.4 Research Methodology
 - 1.4.1 Secondary research
 - 1.4.2 Primary research
 - 1.4.3 Analyst tools and models

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 CXO Perspective
- 2.2 Market Beyond: what to expect by 2026
 - 2.2.1 Moderate Growth Scenario
 - 2.2.2 Rapid Growth Scenario
 - 2.2.3 Diminishing Growth Scenario

CHAPTER 3 MARKET OVERVIEW

- 3.1 Market definition and scope
- 3.2 Key findings
 - 3.2.1 Top investment pockets of world bio-based platform chemicals market
 - 3.2.2 Top winning strategy in the world bio-based platform chemicals market
- 3.3 Porters five force analysis
 - 3.3.1 Low bargaining power of supplier
 - 3.3.2 High bargaining power of buyer
 - 3.3.3 Moderate threat of substitutes
 - 3.3.4 Low threat of new entrants
 - 3.3.5 Moderate competitive rivalry
- 3.4 Market dynamics
 - 3.4.1 Drivers
 - 3.4.1.1 Availability of low cost feedstock
 - 3.4.1.2 Technological Modification
 - 3.4.1.3 Favourable Government Regulations
 - 3.4.1.4 Customer Inclination towards eco-friendly products
 - 3.4.2 Market restraints

- 3.4.2.1 High production cost
- 3.4.3 Market opportunities
 - 3.4.3.1 Support from the federal governments

CHAPTER 4 WORLD BIO-BASED PLATFORM CHEMICALS MARKET, BY TYPE

- 4.1 C-3 platform chemicals
 - 4.1.1 Glycerol
 - 4.1.1.1 Market size and forecast
 - 4.1.2 3-hydroxypropionic acid
 - 4.1.2.1 Market size and forecast
- 4.2 C-4 Platform Chemicals
 - 4.2.1 Succinic acid
 - 4.2.1.1 Market size and forecast
 - 4.2.2 Fumaric acid
 - 4.2.2.1 Market size and forecast
 - 4.2.3 Malic acid
 - 4.2.3.1 Market size and forecast
 - 4.2.4 Aspartic acid
 - 4.2.4.1 Market size and forecast
- 4.3 C-5 Platform Chemicals
 - 4.3.1 Levulinic acid
 - 4.3.1.1 Market size and forecast
 - 4.3.2 Glutamic acid
 - 4.3.2.1 Market size and forecast
 - 4.3.3 Itaconic acid
 - 4.3.3.1 Market size and forecast
 - 4.3.4 Xylitol
 - 4.3.4.1 Market Size and Forecast
- 4.4 C-6 Platform Chemicals
 - 4.4.1 Sorbitol
 - 4.4.1.1 Market size and forecast
 - 4.4.2 Glucaric acid
 - 4.4.2.1 Market size and forecast
 - 4.4.3 2,5-Furan dicarboxylic acid
 - 4.4.3.1 Market size and forecast

CHAPTER 5 WORLD BIO-BASED PLATFORM CHEMICALS MARKET, BY GEOGRAPHY

5.1 North America

5.1.1 Key market trends

5.1.2 Key growth factors and opportunities

5.1.3 Market size and forecast

5.2 Europe

5.2.1 Key market trends

5.2.2 Key growth factors and opportunities

5.2.3 Market size and forecast

5.3 Asia-Pacific

5.3.1 Key market trends

5.3.2 Key growth factors and opportunities

5.3.3 Market size and forecast

5.4 LAMEA

5.4.1 Key market trends

5.4.2 Key growth factors and opportunities

5.4.3 Market size and forecast

CHAPTER 6 COMPANY PROFILE

6.1 Succinity GmbH

6.1.1 Company Overview

6.1.2 Strategic moves and developments

6.1.3 Swot analysis of Succinity GmbH

6.2 Bio-Amber Inc.

6.2.1 Company overview

6.2.2 Financial performance

6.2.3 Strategic moves and developments

6.2.4 SWOT analysis of Bio-Amber Inc.

6.3 Myriant Corporation

6.3.1 Company overview

6.3.2 Strategic moves and developments

6.3.3 SWOT analysis of Myriant Corporation

6.4 Novozymes

6.4.1 Overview

6.4.2 Financial performance

6.4.3 Strategic moves and developments

6.4.4 SWOT analysis

6.5 Cargill Incorporated

- 6.5.1 Company overview
- 6.5.2 Financial performance
- 6.5.3 Strategic moves and developments
- 6.5.4 SWOT analysis of Cargill Incorporated
- 6.6 DSM
 - 6.6.1 Company overview
 - 6.6.2 Financial performance
 - 6.6.3 Strategic moves and developments
 - 6.6.4 SWOT analysis and strategic deductions
- 6.7 Metabolix, Inc.
 - 6.7.1 Company Overview
 - 6.7.2 Business performance
 - 6.7.3 Swot analysis of Metabolix, Inc.
- 6.8 GF Biochemicals
 - 6.8.1 Company overview
 - 6.8.2 SWOT analysis and strategic deductions
- 6.9 E.I. du Pont de Nemours and Company
 - 6.9.1 Company overview
 - 6.9.2 Financial performance
 - 6.9.3 SWOT analysis of E.I. Du Pont De Numerous and Company
- 6.10 Prinova LLC
 - 6.10.1 Company overview
 - 6.10.2 SWOT analysis of Prinova LLC

List Of Tables

LIST OF TABLES

TABLE 1 WORLD BIO-BASED PLATFORM CHEMICALS MARKET MODERATE GROWTH SCENARIO, BY GEOGRAPHY, VOLUME 2021-2026 (KILO TONS)

TABLE 2 WORLD BIO-BASED PLATFORM CHEMICALS MARKET MODERATE GROWTH SCENARIO, BY GEOGRAPHY, VALUE 2021-2026 (\$ MILLION)

TABLE 3 WORLD BIO-BASED PLATFORM CHEMICALS MARKET RAPID GROWTH SCENARIO, BY GEOGRAPHY, VOLUME 2021-2026 (KILO TONS)

TABLE 4 WORLD BIO-BASED PLATFORM CHEMICALS MARKET RAPID GROWTH SCENARIO, BY GEOGRAPHY, VALUE 2021-2026 (\$ MILLION)

TABLE 5 WORLD BIO-BASED PLATFORM CHEMICALS MARKET DIMINISHING GROWTH SCENARIO, BY GEOGRAPHY, VOLUME 2021-2026 (KILO TONS)

TABLE 6 WORLD BIO-BASED PLATFORM CHEMICALS MARKET DIMINISHING GROWTH SCENARIO, BY GEOGRAPHY, VALUE 2021-2026 (\$ MILLION)

TABLE 7 WORLD BIO-BASED PLATFORM CHEMICALS MARKET, BY TYPE, VOLUME, 2014-2021 (KILO TONS)

TABLE 8 WORLD BIO-BASED PLATFORM CHEMICALS MARKET, BY TYPE, VALUE, 2014-2021 (\$ MILLION)

TABLE 9 WORLD C-3 BIO-BASED PLATFORM CHEMICALS MARKET, BY TYPE, VOLUME, 2014-2021 (KILO TONS)

TABLE 10 WORLD C-3 BIO-BASED PLATFORM CHEMICALS, BY TYPE, VALUE, 2014-2021 (\$ MILLION)

TABLE 11 WORLD C-3 BIO-BASED PLATFORM CHEMICALS MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KILO TONS)

TABLE 12 WORLD C-3 BIO-BASED PLATFORM CHEMICALS, BY GEOGRAPHY, VALUE, 2014-2021 (\$ MILLION)

TABLE 13 WORLD GLYCEROL MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KILO TONS)

TABLE 14 WORLD GLYCEROL MARKET, BY GEOGRAPHY, VALUE, 2014-2021 (\$ MILLION)

TABLE 15 WORLD GLYCEROL MARKET, BY APPLICATION, VOLUME, 2014-2021 (KILO TONS)

TABLE 16 WORLD GLYCEROL MARKET, BY APPLICATION, VALUE, 2014-2021 (\$ MILLION)

TABLE 17 WORLD 3-HYDROXY PROPIONIC ACID MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KILO TONS)

TABLE 18 WORLD 3-HYDROXY PROPIONIC ACID MARKET, BY GEOGRAPHY,

VALUE, 2014-2021 (\$ MILLION)

TABLE 19 WORLD C-4 BIO-BASED PLATFORM CHEMICALS MARKET, BY TYPE, VOLUME, 2014-2021 (KILO TONS)

TABLE 20 WORLD C-4 BIO-BASED PLATFORM CHEMICALS, BY TYPE, VALUE, 2014-2021 (\$ MILLION)

TABLE 21 WORLD C-4 BIO-BASED PLATFORM CHEMICALS MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KILO TONS)

TABLE 22 WORLD C-4 BIO-BASED PLATFORM CHEMICALS, BY GEOGRAPHY, VALUE, 2014-2021 (\$ MILLION)

TABLE 23 WORLD SUCCINIC ACID MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KILO TONS)

TABLE 24 WORLD SUCCINIC ACID MARKET, BY GEOGRAPHY, VALUE, 2014-2021 (\$ MILLION)

TABLE 25 WORLD FUMARIC ACID MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KILO TONS)

TABLE 26 WORLD FUMARIC ACID MARKET, BY GEOGRAPHY, VALUE, 2014-2021 (\$ MILLION)

TABLE 27 WORLD MALIC ACID MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KILO TONS)

TABLE 28 WORLD MALIC ACID MARKET, BY GEOGRAPHY, VALUE, 2014-2021 (\$ MILLION)

TABLE 29 WORLD ASPARTIC ACID MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KILO TONS)

TABLE 30 WORLD ASPARTIC ACID MARKET, BY GEOGRAPHY, VALUE, 2014-2021 (\$ MILLION)

TABLE 31 WORLD C-5 PLATFORM CHEMICALS MARKET, BY TYPE, VOLUME, 2014-2021 (KILO TONS)

TABLE 32 WORLD C-5 PLATFORM CHEMICALS MARKET, BY TYPE VALUE, 2014-2021 (\$ MILLION)

TABLE 33 WORLD C-5 PLATFORM CHEMICALS MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KILO TONS)

TABLE 34 WORLD C-5 PLATFORM CHEMICALS MARKET, BY GEOGRAPHY, VALUE, 2014-2021 (\$ MILLION)

TABLE 35 WORLD LEVULINIC ACID MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KILO TONS)

TABLE 36 WORLD LEVULINIC ACID MARKET, BY GEOGRAPHY, VALUE, 2014-2021 (\$ MILLION)

TABLE 37 WORLD GLUTAMIC ACID MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KILO TONS)

TABLE 38 WORLD GLUTAMIC ACID MARKET, BY GEOGRAPHY, VALUE, 2014-2021 (\$ MILLION)

TABLE 39 WORLD ITACONIC ACID MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KILO TONS)

TABLE 40 WORLD ITACONIC ACID MARKET, BY GEOGRAPHY, VALUE, 2014-2021 (\$ MILLION)

TABLE 41 WORLD XYLITOL MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KILO TONS)

TABLE 42 WORLD XYLITOL MARKET, BY GEOGRAPHY, VALUE, 2014-2021 (\$ MILLION)

TABLE 43 WORLD C-6 PLATFORM CHEMICALS MARKET, BY TYPE, VOLUME, 2014-2021 (KILO TONS)

TABLE 44 WORLD C-6 PLATFORM CHEMICALS MARKET, BY TYPE VALUE, 2014-2021 (\$ MILLION)

TABLE 45 WORLD C-6 PLATFORM CHEMICALS MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KILO TONS)

TABLE 46 WORLD C-6 PLATFORM CHEMICALS MARKET, BY GEOGRAPHY, VALUE, 2014-2021 (\$ MILLION)

TABLE 47 WORLD SORBITOL MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KILO TONS)

TABLE 48 WORLD SORBITOL MARKET, BY GEOGRAPHY, VALUE, 2014-2021 (\$ MILLION)

TABLE 49 WORLD GLUCARIC ACID MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KGS)

TABLE 50 WORLD GLUCARIC ACID MARKET, BY GEOGRAPHY, VALUE, 2014-2021 (000\$)

TABLE 51 WORLD 2,5-FURAN DICARBOXYLIC ACID MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KILO TONS)

TABLE 52 WORLD 2,5-FURAN DICARBOXYLIC ACID MARKET, BY GEOGRAPHY, VALUE, 2014-2021 (\$ MILLION)

TABLE 53 GLOBAL BIO-BASED PLATFORM CHEMICALS MARKET, BY GEOGRAPHY, VOLUME, 2014-2021 (KILO TONS)

TABLE 54 GLOBAL BIO-BASED PLATFORM CHEMICALS MARKET, BY GEOGRAPHY, VALUE, 2014-2021 (\$MILLION)

TABLE 55 NORTH AMERICA BIO-BASED PLATFORM CHEMICALS MARKET, BY TYPE, VOLUME, 2014-2021 (KILO TONS)

TABLE 56 NORTH AMERICA BIO-BASED PLATFORM CHEMICALS MARKET, BY TYPE, VALUE, 2014-2021 (\$MILLION)

TABLE 57 EUROPE BIO-BASED PLATFORM CHEMICALS MARKET, BY

APPLICATION, VOLUME, 2014-2021 (KILO TONS)

TABLE 58 EUROPE BIO-BASED PLATFORM CHEMICALS MARKET, BY
APPLICATION, VALUE, 2014-2021 (\$MILLION)

TABLE 59 ASIA-PACIFIC BIO-BASED PLATFORM CHEMICALS MARKET, BY TYPE,
VOLUME, 2014-2021 (KILO TONS)

TABLE 60 ASIA-PACIFIC BIO-BASED PLATFORM CHEMICALS MARKET, BY TYPE,
VALUE, 2014-2021 (\$MILLION)

TABLE 61 LAMEA BIO-BASED PLATFORM CHEMICALS MARKET, BY
APPLICATION, VOLUME, 2014-2021 (KILO TONS)

TABLE 62 LAMEA BIO-BASED PLATFORM CHEMICALS MARKET, BY
APPLICATION, VALUE, 2014-2021 (\$MILLION)

TABLE 63 SUCCINITY GMBH SNAPSHOT

TABLE 64 BIO-AMBER, INC. SYSTEM SNAPSHOT

TABLE 65 MYRIANT CORPORATION SNAPSHOT

TABLE 66 COMPANY SNAPSHOT OF NOVOZYMES

TABLE 67 CARGILL INCORPORATED SNAPSHOT

TABLE 68 DSM SNAPSHOT

TABLE 69 METABOLIX, INC SNAPSHOT

TABLE 70 GF BIOCHEMICALS SNAPSHOT

TABLE 71 SNAPSHOT OF E. I. DU PONT DE NUMEROUS AND COMPANY

TABLE 72 SNAPSHOT OF PRINOVA LLC

List Of Figures

LIST OF FIGURES

FIG. 1 TOP IMPACTING FACTORS, MODERATE GROWTH SCENARIO (2021-2026)
FIG. 2 TOP IMPACTING FACTORS, RAPID GROWTH SCENARIO (2021-2026)
FIG. 3 TOP IMPACTING FACTORS, DIMINISHING GROWTH SCENARIO (2021-2026)
FIG. 1 TOP INVESTMENT POCKETS
FIG. 2 TOP WINNING STRATEGIES IN THE BIO-BASED PLATFORM CHEMICALS MARKET (2004-2014)
FIG. 3 TOP WINNING STRATEGIES IN THE BIO-BASED PLATFORM CHEMICALS MARKET, BY COMPANY
FIG. 4 PORTERS FIVE ANALYSIS OF WORLD BIO-BASED PLATFORM CHEMICALS MARKET
FIG. 5 TOP FACTORS IMPACTING BIO-BASED PLATFORM CHEMICALS MARKET
FIG. 6 SCALE UP PROJECTS FOR SUCCINIC ACID
FIG. 7 SWOT ANALYSIS OF SUCCINITY GMBH
FIG. 8 BIOAMBER, INC. REVENUE, \$BILLION (2010-2014)
FIG. 9 SWOT ANALYSIS OF BIO-AMBER, INC.
FIG. 10 SWOT ANALYSIS OF MYRIANT CORPORATION
FIG. 1 NOVOZYMES REVENUE, 2012-2014
FIG. 2 NOVOZYMES REVENUE, BY SEGMENT
FIG. 3 NOVOZYMES REVENUE, BY GEOGRAPHY
FIG. 4 SWOT ANALYSIS OF NOVOZYMES
FIG. 5 KEY FINANCIALS OF CARGILL INCORPORATED, \$MILLION (2010-2014)
FIG. 6 SWOT ANALYSIS OF CARGILL INCORPORATED
FIG. 7 KEY FINANCIALS OF DSM \$ MILLION (2010-14)
FIG. 8 FINANCIAL REVENUES BY SEGMENTS (2014)
FIG. 9 SWOT ANALYSIS OF DSM
FIG. 10 METABOLIX, INC. REVENUE ANALYSIS, 2012-2014 (\$MILLION)
FIG. 11 SWOT ANALYSIS OF METABOLIX, INC
FIG. 12 SWOT ANALYSIS OF GF BIOCHEMICALS
FIG. 13 E. I. DU PONT DE NUMEROUS AND COMPANY, ANNUAL REVENUES
FIG. 14 SWOT ANALYSIS OF E.I. DU PONT DE NUMEROUS AND COMPANY
FIG. 15 SWOT ANALYSIS OF PRINOVA LLC

I would like to order

Product name: Bio-based Platform Chemicals Market by Types (C-3 (Glycerol, 3-Hydroxypropionic Acid), C-4 (Succinic, Fumaric, Malic & Aspartic Acid), C-5 (Levulinic, Glutamic & Itaconic Acid, Xylitol), C-6 (Sorbitol, Glucaric Acid)) - Global Opportunity Analysis and Industry Forecast, 2014 - 2021

Product link: <https://marketpublishers.com/r/W1B829C4B91EN.html>

Price: US\$ 5,540.00 (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/W1B829C4B91EN.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