

# **Bio Plasticizers Market by Type (Epoxides, Sebacates, Succinic Acid, Citrates, Glycerol Esters, and Others) and Application (Flooring & Wall, Film & Sheet Coverings, Wires & Cables, Coated Fabrics, Consumer Goods, and Others) - Global Opportunity Analysis and Industry Forecast, 2014-2022**

<https://marketpublishers.com/r/BB46C093CB3EN.html>

Date: April 2017

Pages: 233

Price: US\$ 3,999.00 (Single User License)

ID: BB46C093CB3EN

## **Abstracts**

The global bio plasticizers market was valued at \$1,364 million in 2015, and is expected to reach \$1,709 million by 2022, registering a CAGR of 3.3% from 2016 to 2022. Bio plasticizers are additives incorporated in a material to increase its flexibility, workability, tear resistance, and durability. These lower the second-order transition temperature of micro-molecules, elastic modulus, tensile strength, density, and hardness & melt viscosity of the material, thereby making it soft and resilient. Bio plasticizers also reduces polymer–polymer chain secondary bonding by spreading them apart, increasing the free volume, which enhances flexibility, elongation at break, toughness, power factor, and dielectric constant. An effective bio plasticizer must contain two types of structural components—polar and non-polar. The polar component binds reversibly with the polymer, thereby softening it, while the non-polar part controls the polymer interaction to maintain its crystallinity.

Awareness among people for using sustainable & eco-friendly commodities, change in lifestyle, and increased disposable income of consumers in Asia-Pacific, Middle East, and Latin America have led to increase in growth of consumer electronics & medical industries, making way for high market potential for bio plasticizers. Growth in population and urbanization in emerging economies, such as India and China, boost the construction activities and automobile production, which further drives the market growth. However, high cost of the bio plasticizers is expected to hamper the growth of the market. The R&D for bio plasticizers, which make it more beneficial & lesser in cost

brings great opportunity for the global market during forecast period. Also, the ban imposed on some of the phthalates for certain products makes the key players add bio plasticizers in their portfolio.

The report segments the global bio plasticizers market based on type, application, and geography. By type, the market is divided into epoxides, sebacates, succinic acid, citrates, glycerol esters, and others. By application, the market is categorized into flooring & wall, film & sheet coverings, wires & cables, coated fabrics, consumer goods, and others. Geographically, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Recent study by Omrani et al of Shahid Beheshti University, Iran, conducted in October, 2016 on bio-based plasticizer made from oleic acid suggests that it imparts better properties to PVC formulations than conventional plasticizer, phthalate.

Major players profiled in this study are as follows:

Bioamber Inc.

DuPont

DOW Chemical Company

Emery Oleochemicals

Evonik Industries

Lanxess AG

Matr?ca S.p.A.

Myriant Corporation

PolyOne Corporation

Vertellus Holdings LLC

## **KEY BENEFITS FOR STAKEHOLDERS**

This report provides an extensive analysis of the current trends and emerging

estimations & dynamics in the global bio plasticizers market from 2014 to 2022, in terms of value and volume, which assist in identifying the prevailing opportunities.

Geographically, the market is analyzed based on various regions such as North America, Europe, Asia-Pacific & LAMEA, including different countries in each region.

Detailed analysis of the market by type helps understand the various types of bio plasticizer products that are currently in use, along with the variants that are expected to gain prominence in the future.

Porter's Five Forces analysis highlights the potency of buyers and suppliers to offer a competitive advantage to stakeholders to make profit-oriented business decisions and help strengthen their supplier and buyer network.

Extensive analysis of the market is conducted by following key product positioning and monitoring the top competitors within the market framework.

## Bio Plasticizers Market Key Segments:

### By Type

Epoxides

Sebacates

Succinic Acid

Citrates

Glycerol Esters

Others

### By Application

Flooring & Wall

Film & Sheet Coverings

Wires & Cables

Coated Fabrics

Consumer Goods

Others

### By Geography

North America

U.S.

Mexico

Canada

Europe

UK

Germany

France

Italy

Spain

Russia

Poland

Rest of Europe

## Asia-Pacific

China

Japan

IndiaKorea

Australia

Taiwan

Thailand

Indonesia

Rest of Asia-Pacific

## LAMEA

UAE

Brazil

South Africa

KSA

Rest of LAMEA

## OTHER KEY PLAYERS

Galata Chemicals

ROQUETTE

Jungbunzlauer Suisse AG

OXEA GmbH

Proviron

Jiangxi East Huge Dragon Chemical Co., Ltd.

Hebei Jingu Plasticizer Co., Ltd.

Jiangxi East Huge Dragon Chemical Co., Ltd.

Suzhou Sunbo Chemical Building Materials Co., Ltd.

Binzhou Chengli Building Materials Co., Ltd.

The above list of players is not profiled in the report, and can be added as per client interest

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