
Description:
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
- Fumeric Acid
- Malic Acid
- Aspartic Acid
- Levulinic Acid
- Glutamic Acid
- Itaconic Acid
- Xylitol
- Others

Europe
- Glycerol
- 3-hydroxy propionic acid
- Succinic Acid
- Fumeric 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
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