

Global Microbial Biosurfactants Market by Manufacturers, Regions, Type and Application, Forecast to 2021

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Abstracts

Biosurfactants can be defined as the surface-active biomolecules produced by microorganisms with wide-range of applications. In recent years, due to their unique properties like specificity, low toxicity and relative ease of preparation, these surface-active biomolecules have attracted wide interest. Due to their unique functional properties, biosurfactants were used in several industries including organic chemicals, petroleum, petrochemicals, mining, metallurgy (mainly bioleaching), agrochemicals, fertilizers, foods, beverages, cosmetics, pharmaceuticals and many others. They can be used as emulsifiers as well as demulsifiers, wetting agents, foaming agents, spreading agents, functional food ingredients and detergents. The interfacial surface tension reducing ability of biosurfactants made them to play important role in oil recovery and bioremediation of heavy crude oil.

Scope of the Report:

This report focuses on the Microbial Biosurfactants in Global market, especially in North America, Europe and Asia-Pacific, Latin America, Middle and Africa. This report categorizes the market based on manufacturers, regions, type and application.

Market Segment by Manufacturers, this report covers

AkzoNobel

BASF

Innospec

CLARIANT

Stepan

SEPPIC

Daqing WOTAISI

Jeneil

Rhamnolipid

Natsurfact

Evonik

Market Segment by Regions, regional analysis covers

North America (USA, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

Latin America, Middle and Africa

Market Segment by Type, covers

Rhamnolipids

Sophorolipids

Mannosylerythritol Lipids (MEL)

Market Segment by Applications, can be divided into

Food industry

Detergent

Oil industry

Other Application

There are 13 Chapters to deeply display the global Microbial Biosurfactants market.

Chapter 1, to describe Microbial Biosurfactants Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Microbial Biosurfactants, with sales, revenue, and price of Microbial Biosurfactants, in 2015 and 2016;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2015 and 2016;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Microbial Biosurfactants, for each region, from 2011 to 2016;

Chapter 5, 6, 7 and 8, to analyze the key regions, with sales, revenue and market share by key countries in these regions;

Chapter 9 and 10, to show the market by type and application, with sales market share and growth rate by type, application, from 2011 to 2016;

Chapter 11, Microbial Biosurfactants market forecast, by regions, type and application, with sales and revenue, from 2016 to 2021;

Chapter 12 and 13, to describe Microbial Biosurfactants sales channel, distributors, traders, dealers, appendix and data source.

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