

Global Waterborne Epoxy Resin Market Forecast and Analysis 2016-2021

<https://marketpublishers.com/r/GD9CD875681EN.html>

Date: November 2015

Pages: 110

Price: US\$ 2,800.00 (Single User License)

ID: GD9CD875681EN

Abstracts

This report provides detailed analysis of worldwide markets for Waterborne Epoxy Resin from 2011-2016, and provides extensive market forecasts (2016-2021) by region/country and subsectors. It covers the key technological and market trends in the Waterborne Epoxy Resin market and further lays out an analysis of the factors influencing the supply/demand for Waterborne Epoxy Resin, and the opportunities/challenges faced by industry participants. It also acts as an essential tool to companies active across the value chain and to the new entrants by enabling them to capitalize the opportunities and develop business strategies.

Epoxy resins are low molecular weight pre-polymers or higher molecular weight polymers which normally contain at least two epoxide groups. The epoxide group is also sometimes referred to as a glycidyl or oxirane group. A wide range of epoxy resins are produced industrially. The raw materials for epoxy resin production are today largely petroleum derived, although some plant derived sources are now becoming commercially available (e.g. plant derived glycerol used to make epichlorohydrin). Epoxy coatings are extensively utilized in protective coatings and flooring markets due to their generally high level of mechanical properties, corrosion protection and chemical resistance. In the last few decades epoxy coatings have evolved from high VOC systems to more environmentally friendly technologies, like high solids coatings, solvent-free coatings, powder coatings, and waterborne coatings.

Waterborne Epoxy Resin is obtained by the dispersal of epoxy resins particles in water. A wide range of waterborne epoxy resins exhibiting high stability and excellent dilution efficiency, are available, offering different functionalities for a variety of applications. These aqueous epoxy dispersions incorporate non-ionic epoxy-functional emulsifiers which allow the emulsifier to become a part of the cured product with minimal impact on

the mechanical properties. The technology to prepare waterborne epoxy resin is to introduce hydrophilic groups on the main chain of epoxy resin molecular, which favors for stable dispersion in water. Abroad since the 1950s began the research of waterborne epoxy resin, epoxy resin which made from latex is the most commonly used approach. Waterborne epoxy resin curing agent is the purpose of the most widely used for coatings.

GCC's report, *Global Waterborne Epoxy Resin Market Forecast and Analysis 2016-2021*, has been prepared based on the synthesis, analysis, and interpretation of information about the global Waterborne Epoxy Resin market collected from specialized sources. The report covers key technological developments in the recent times and profiles leading players in the market and analyzes their key strategies. The competitive landscape section of the report provides a clear insight into the market share analysis of key industry players. The major players in the global Waterborne Epoxy Resin market are Dow Chemical, Hulsman, Momentive, Air Products, Arakawa Chemical, Adeka, Kukdo, Aditya Birla, Yueyang Huaxing, Grace Epoxy, Sanmu Group, Shanghai Xinhua.

The report provides separate comprehensive analytics for the North America, Europe, Asia-Pacific, Middle East and Africa and Rest of World. In this sector, global competitive landscape and supply/demand pattern of Waterborne Epoxy Resin industry has been provided.

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ABBREVIATIONS

DISCLAIMER

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