Silicone Derivative Market Research Report- Forecast to 2023

Description:

Global Silicone Derivative Market by Type (Silicon Dioxide (Silica), Silicon Carbide, Silicate, Silicon Nitride, and Others), by End Use Industries (Building & Construction, Automobile, Electronics, Energy, Chemicals, Personal Care, and Others), by Region till 2023

Silicone, also known as Polysiloxane, are the polymers made with repetitive units of Siloxane. The chain may contain silicon atoms alternatively bonded with oxygen, carbon, and hydrogen to give arise to various silicone derivatives. They possess characteristics such as resistant to temperature and heat which makes them suitable for numerous applications in end use industries. Silicon accounts for around 28% earth’s crust. Moreover, no harmful effects of Silicone on an organism have been noted yet. They are readily biodegradable and are available in abundance makes them most preferred choice in number of applications. Starting from household to industrial usage Silicone Derivatives are used extensively. Which include construction materials, automobile spares, electronics, energy, industrial usage, and personal care among others. There is growing demand for Silicone Derivative from ever increasing construction activities. Apart from that, silicone derivative are being used in food & beverages due to their colloidal and hydrophilic properties. Some other applications of silicone include as their use as sealants, adhesives, grease, and lubricants.

Silicone is the second most abundant element in the earth’s crust and its uses are tangible in almost all the streams. Rising expenditure towards infrastructural developments in emerging markets of Asia Pacific is expected to play crucial role in demand of Silicone Derivatives. The applications of silicone derivatives are inescapable in automobiles. Greater adaptability, durability and safety is provided by silicone rubber over the conventional rubbers. The immensely spread automotive industry in the world would help to push the demand of Silicone Derivatives. Moreover, Silicone Derivatives are biodegradable and have no harmful effects on humans or any organism in an environment. There are some constraints in the growth of Global Silicone Derivative Market that are need to be considered. It includes the high production cost that is involved in vulcanization and property improvement of silicone derivatives which makes it less competitive against the conventional products such as polyethylene. Additionally, increasing usage of highly engineered polymers namely fluoropolymers, and polyesters are posing a substitution threat for some Silicone Derivatives. Nevertheless, rapidly increasing end use industries in Latin America are presenting new opportunities for global silicone derivative market.

Global Silicone Derivative Market Share, by End Use Industries 2016 (%):
Regional Analysis:

Asia Pacific is the largest as well as fastest growing market for Silicone Derivatives. This region accounts for 40% share of Global Silicone Derivative Market as of 2016. A continuous upward trend in building and construction is anticipated to drive the demand of Silicone Derivative in this region. China and India are holding the major market share of Silicon Derivatives in this region. The growth of market in Asia Pacific is primarily driven by demand from construction and automobile segment. Europe is closely following Asia Pacific in terms global market size of silicone derivatives. Europe and Asia Pacific together hold more than 65% shares of Global Silicone Derivative Market. Huge development and expanding automotive sector in counties namely Germany, Italy, U.K., and France is expected to reach new heights with rise of electronic and light weight vehicles. This trend would continue over the forecast period to boost the demand of silicone derivative. North America is a substantial region in global silicone derivative market. Growing usage of Silicone Derivatives for making machine parts in automobile is driving the growth of Silicone Derivative Market in this region. Other important regions in the Global Silicone Derivative Market are Latin America and Middle East & Africa. Among them Latin America is growing at higher CAGR. The demand of silicone derivatives in the countries namely Brazil and Argentina is fueling the growth in this region. Middle East & Africa is projected to join the hands with leading regions in Global Silicone Derivative Market owing to increasing end use industries of Silicone Derivative in this region.

Segmentation:

The Global Silicone Derivative Market has been segmented on the basis of type, end use industries, and region. On the basis of type the market is divided into silicon dioxide (silica), silicon carbide, silicate, silicon nitride, and others. Among them demand of silica is estimated to boost the growth of the Global Silicone Derivative Market. Based on end use industries the Global Silicone Derivative Market is segmented into building & construction, automobile, electronics, energy, chemicals, and personal care among others. Building & Construction industry, is the major shareholder of the total demand in global silicone derivative market. Geographically, the market is segmented into Asia Pacific, Europe, North America, Latin America, and Middle East & Africa. During the forecast period Asia Pacific is anticipated to hold a major share in Global Silicone Derivative Market.

Key Players:

Key players in Global Silicone Derivative Market are Dow Corning Corporation (U.S.), Shin-Etsu Chemical Co., Ltd. (China), Wacker Chemie AG (Germany), Triveni chemicals (India), Zhenzhou Yellow River Emery Co., Ltd (China), Saint-Gobain Silicon Carbide (France), Xuancheng Crystal Clear New Materials Co., Ltd (China), aromachimie Company Ltd. (U.K.), Multimin-Egypt for Mining S.A.E (Egypt), Hisilco (China).

Intended Audience:
- Silicone derivative manufacturers
- Traders and distributors of silicone derivative
- Research and developments institutes
- Potential investors
- Raw material suppliers
- National laboratory

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