

# Global Surgical Sealants Market Research and Forecast 2018-2023

https://marketpublishers.com/r/GAEC8346B41EN.html

Date: July 2018

Pages: 0

Price: US\$ 3,600.00 (Single User License)

ID: GAEC8346B41EN

# **Abstracts**

Surgical sealants market are used to prevent leakage by binding tissue together internally and externally post-surgery or injury. The sealant products are made from natural or synthetic materials such as gelatin, fibrin, albumin, and polyethylene glycol (PEG) polymers. Surgical sealants and adhesives have significantly used over conventional approaches used for wound closure such as staples and sutures. This is mainly due to its several advantages such as safety, easy usability, and efficacy in several conditions in different tissues. The sealants typically form a chemical bond or barrier to stop the blood from oozing post-surgery. It further promotes wound healing and significantly removes the requirement of sutures. Surgical sealants are increasingly being used in the healthcare sector for various surgeries and injuries compared to conventional methods of wound closing.

Rising geriatric population and wide adoption of surgical sealants in surgical procedures joint replacement surgeries are some of the major factor driving the growth of the global surgical sealants market. The high cost of surgical sealants and adhesives in the low-and middle-income economies is the major factor hindering the growth of the market. The side effects associated with the sealants and adhesives, low surgical incision closure strength, stringent regulatory policies, and availability of cheaper alternative products such as sutures and staples are some of the factors limiting the growth of the global surgical sealants market. However, the rising prevalence of chronic diseases such as cancer and heart diseases, a significant increase in the number of FDA approvals, and increasing investments by major players in emerging economies is likely to fuel the market growth in the near future.

The surgical sealants market can be segmented on the basis of product type, indication, application, and end user. Based on the type of product, the market can be diversified



into natural or biological surgical sealants and synthetic & semi-synthetic surgical sealants. The natural or biological surgical sealants segment is further divided into type and origin. Based on the type, the natural or biological surgical sealants market is segmented into polypeptide-based surgical sealants and polysaccharidebased surgical sealants. Based on origin, the natural or biological surgical sealants market is segmented into human blood-based and animal-based. The synthetic & semisynthetic surgical sealants market is further segmented into cyanoacrylates, polyethylene glycol hydrogels, polyurethane-based tissue, and others (polyester-based tissue). Based on the indication, the surgical sealants market is segmented into surgical hemostasis, tissue sealing, and tissue engineering. Based on applications, the market is bifurcated into central nervous system (CNS) surgeries, general surgeries, cardiovascular surgeries, orthopaedic surgeries, cosmetic surgeries, urological surgeries, pulmonary surgeries, others (ophthalmic surgeries). Based on end users, the market is segmented into hospitals, clinics, and ambulatory surgical centers. Among the product type, the natural or biological surgical sealant segment acquire the largest market share in the surgical sealants market. This can be attributed to the wide adoption of fibrin-based polypeptide surgical sealants, as it is the only product that has received FDA approval for use in hemostats, adhesives, and sealants.

The global surgical sealants market is further analyzed on the basis of the geographical regions that are contributing significantly towards the growth of the market. North America holds a dominant position in the global surgical sealants market in 2017. The upsurge in geriatric population along with the wide availability of modern medical technology are some factors augmenting the growth of the surgical sealants market in the region. Moreover, the sedentary lifestyle of the population has significantly increased the surgical procedures in the region, which in turn fuels in the market growth in the region. Asia Pacific is projected to exhibit the fastest growth in the global surgical sealants market over the forecast period. This is mainly owing to a presence of huge pool of patients and increasing healthcare spending by government authorities and individuals. Moreover, the refining healthcare infrastructure due to increasing awareness of natural sealants among the population is one of the factors driving the growth of the surgical sealants market in the Asia Pacific.

Some of the key vendors of the surgical sealants market are Baxter, B. Braun Melsungen AG, C. R. Bard, Inc., Cardinal Health, Cohera Medical, Inc., Cryolife, Inc., Ethicon US, LLC, Integra Lifesciences, Mallinckrodt, and Vivostat A/S, among others. In order to sustain in the competitive market, these players adopt various strategies such as acquisitions, mergers, expansions, joint ventures and product development and so on. For instance, in September 2017, Cohera Medical Inc. signed an agreement with



Terumo Corporation, a Japan-based medical device manufacturer. Under the terms of an agreement, the Cohera Medical Inc. will market its Cohera's Sylys surgical sealants in Japan.

#### RESEARCH METHODOLOGY

The market study of surgical sealants market is incorporated by extensive primary and secondary research conducted by research team at OMR. Secondary research has been conducted to refine the available data to breakdown the market in various segments, derive total market size, market forecast and growth rate. Different approaches have been worked on to derive the market value and market growth rate. Our team collects facts and data related to the market from different geography to provide a better regional outlook. In the report country level analysis is provided by analyzing various regional players, regional tax laws and policies, consumer behavior and macro-economic factors. Numbers extracted from Secondary research have been authenticated by conducting proper primary research. It includes tracking down key people from the industry and interviewing them to validate the data. This enables our analyst to derive the closest possible figures without any major deviations in the actual number. Our analysts try to contact as many executives, managers, key opinion leaders and industry experts. Primary research brings the authenticity in our reports.

### Secondary sources include:

Financial reports of companies involved in the market

Authentic Public Databases such as Centers for Disease Control and Prevention (CDC), The Society of Thoracic Surgeons, and American Chemical Society, among others.

Whitepapers, research-papers, and news blogs

Company websites and their product catalogue

Supplier Websites such as Alibaba, Amazon for pricing analysis

The report is intended for medical device manufacturers, life sciences companies, academic research institutes, and government organizations for overall market analysis and competitive analysis. The report provides in-depth analysis on pricing, market size,



intended quality of the product preferred by consumers, initial norms and vehicle segment. The report will serve as a source for 360-degree analysis of the market thoroughly integrating different models such as PEST analysis, Porter five analysis delivering insights into the market for better business decisions.

#### **MARKET SEGMENTATION:**

Global surgical sealants market is segmented on the basis of regional outlook and following segments:

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- 3. Global Surgical Sealants Market Research and Analysis, By Application
- 4. Global Surgical Sealants Market Research and Analysis, By End User
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#### THE REPORT COVERS:

Comprehensive research methodology of global surgical sealants market

This report also includes detailed and extensive market overview with key analyst insights

Exhaustive analysis of macro and micro factors influencing the market guided by key recommendations

Analysis of regional regulations and other government policies impacting the global surgical sealants market

Insights about market determinants which are stimulating the global surgical sealants market

Detailed and extensive market segments with regional distribution of forecasted revenues

Extensive profiles and recent developments of market players



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- 3. ADHEZION BIOMEDICAL
- 4. ADVANCED MEDICAL SOLUTIONS GROUP PLC
- 5. ARCH THERAPEUTICS, INC.
- 6. ASAHI KASEI CORPORATION
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