

Alkyl Polyglucosides Market Assessment, By Raw Materials [Carbohydrate (Corn Starch, Potato Starch, Wheat Starch), Fatty Alcohols (Natural, Petrochemical, Others)], By Application [Personal Care & Cosmetics, Home Care Products, Industrial Cleaners, Agriculture, Healthcare, Oil & Gas, Others], By Region, Opportunities and Forecast, 2016-2030F

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# **Abstracts**

Global Alkyl Polyglucosides Market size was valued at USD 1.02 billion in 2022, expected to reach USD 1.54 billion in 2030 with a CAGR of 5.3% for the forecast period between 2023 and 2030. Alkyl Polyglucosides (APGs) resemble high-quality nonionic surfactants, imparting excellent biodegradable characteristics and prominently gaining attention as a green alternative to conventional alcohol ethoxylates. Alkyl Polyglucosides possess excellent characteristics like foaming and wettability, better interfacial activity that successively incorporates in enhancing heavy oil recovery. APGs are significantly considered a highly promising adjuvant in intranasal split influenza vaccines. They are made from naturally derived raw materials from natural resources which are extensively used for pre- and post-harvest applications in the form of inert pesticide ingredients. Alkyl Polyglucosides (APGs) are also known by the name Alkyl Polyglucosides.

Incorporation of Alkyl Polyglucosides in Agriculture Practices Improves the Quality of Crops

Numerous specific properties of Alkyl Polyglucosides (APGs), including excellent wetting and hydrotropic properties, low foam formation, assist in developing eco-friendly products for crops compliant with green trends. APGs are substantially considered an



impeccable built-in additive for glyphosate salts that subsequently enhance glyphosate herbicide efficacy. Despite higher interfacial activity, it shows low aquatic toxicity, bringing advantage to inert pesticide ingredients. With time, adding APGs gradually increases the nitrate nitrogen concentration, promotes matter degradation, and increases seed germination indices.

Data published by the United States Department of Agriculture stated that in 2022, crop cash receipts accumulated to around USD 278.1 billion, where the majority was accounted from corn and soybeans totaling USD 150.9 billion. In 2022, the European Union agriculture industry generated an estimated gross value of around USD 237.86 billion. The innovations to improve the yield of crops led to huge potential and market opportunities for Alkyl Polyglucosides (APGs) globally to expand incredibly.

Augmentation of Alkyl Polyglucosides (APGs) market is Remarkably Contributed from Personal Care

Replacing conventional surfactants Alkyl polyglucosides (APGs) are mild, biodegradable, and deliver excellent value and performance. APGs unique nonionic characteristics over cationic or anionic surfactants extends the performance beyond normal cleansing. APGs are progressively used to formulate face wash, shampoo, shower gel and relevant cleansing applications for skin and hair. Reduced irritation and less toxic features of Alkyl polyglucosides that assist in maintaining skin moisture without dryness.

Data published by the Cosmetics Europe association valued the cosmetics and personal protective equipment care industry market in 2022, which was USD 94.16 billion, where the major contributors are Germany, with USD 15.30 billion, and France with a sharing of USD 13.80 billion. In 2022, around 2.78 million workforces are indirectly related to the cosmetics value chain across Europe.

Alkyl Polyglucosides (APGs) are Incorporated as a Green Surfactant for Improving and Enhancing Oil Recovery

An indispensable requirement to conserve the conventional oil reserve has been taken``` seriously that led to employ profoundly enhanced oil recovery (EOR) technique. Alkyl polyglucosides (APGs) is a green surfactant that is significantly preferable over other conventional surfactants due to its unique properties such as excellent interfacial activity, foaming performance, and wettability. At higher temperatures and salinity conditions APGs surfactants are proven very effective which unlike even got strength



with rising temperatures and prevailing conditions. APGs are considered promising surfactants for favorable oil production under the compliance of sustainable and environmental goals.

Saudi Arabia is one of the largest countries to hold prominent reserves, accounting for around 17% of the world. Saudi Aramco is leading the global oil production, which in June 2022 contributes to Saudi's oil production by producing around 10.3mmbpd of crude oil. In first quarter of 2022, Saudi Aramco has remarkably achieved a net income of around USD 39.5 billion subsequently an 82% more than the same quarter 2021. The never-ending oil and gas sector certainly has excellent opportunities for Alkyl polyglucosides (APGs) market to expand impeccably.

#### Impact of COVID-19

The outbreak of COVID-19 has severe devastating affect that make entire humankind vulnerable to infectious disease. Different sectors were economically impacted, leading to supply chain disruptions, shutdown of ongoing constructions due to labor force reduction, etc. During the exacerbated condition, people are aware of their health and infection and opt for products like hand sanitizers, cleaners, etc. Alkyl polyglucosides (APGs) have significant properties in preparing effective hand sanitizers and due to increase in demand of such sanitizers, APGs demand also rises parallelly. APGs have potential to provide a synergistic effect with alcohols to decrease the activity of SARS-CoV-2 virus. The market opportunities for APGs are always growing as its importance can be recognized in various sanitizers and cleaners.

#### Key Players Landscape and Outlook

The Alkyl polyglucosides (APGs) market is growing with the increasing demand for its incorporated products for different wide ranges. Seppic has promisingly created biobased ingredients with multiple functions being stringent to green chemistry. Their technology generates different families of nonionic surfactants for APGs by varying the molecular configuration and combining them with fatty carboxylic acids. They have successfully produced cetearyl glucoside and cetearyl alcohol with alkyl polyglucoside (APGs) compositions and are extensively used in personal care products as an effective, versatile self-emulsifier.

In September 2023, Seppic prominently demonstrated unique preservative booster properties for its eco-friendly solubilizer proprietary cosmetic product.



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\*Companies mentioned above DO NOT hold any order as per market share and can be changed as per information available during research work

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