



Market Analytics: Acrylic Acid and Super Absorbent Polymers - 2022

Market Analytics: Acrylic Acid and Super Absorbent Polymers - 2022 is one in a series of reports published as part of NexantECA's Markets & Profitability program.

Market Analytics: Acrylic Acid and Super Absorbent Polymers - 2022 report provides an in-depth analysis of the acrylic acid and super absorbent polymers industry.

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Along with the written report, NexantECA's Online Database includes supply, demand and trade analysis for 40 countries and global capacity listings updated on a monthly basis.

Report Abstract:

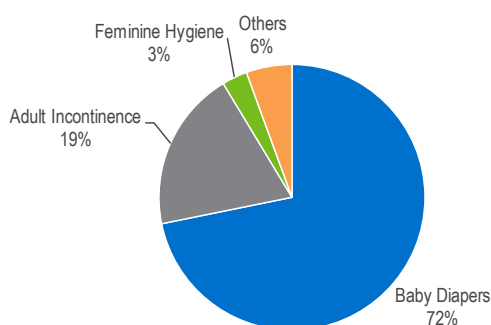
Acrylic acid is used in a diverse range of applications including construction, automotive, packaging, health and personal care products and hence growth is closely linked to GDP. The hydrophilic nature of polyacrylates and their copolymers has led to extensive use in water-based surface coatings, adhesives and fibres. These polymers are amongst the most versatile materials for providing performance properties such as colour stability to a wide variety of applications.

Powder coatings may also be based on acrylics. More stringent environmental standards concerning volatile organic compounds (VOCs) emissions, especially from solvent-based coatings, are supporting sustainable growth for esters of acrylic acid, a key component in water-based paints, coatings and adhesives.

Global Acrylic Acid Demand Growth Percentage



Global Super Absorbent Polymer Demand, 2022



While a relatively large volume of acrylic acid is consumed in the production of acrylate esters, a significant volume of crude acrylic acid is purified and polymerised into glacial acrylic acid and polyacrylic acid, respectively. When lightly cross-linked, these materials have a unique capacity for absorbing huge quantities of water. These 'super absorbent' polymers are useful when brisk absorption is required and they have found popular use in sanitary products such as disposable baby diapers, adult incontinence products and feminine hygiene goods. These end-uses are creating demand growth for acrylic acid as there is currently little substitution threat from other polymers.

The super absorbent polymers market is less affected by GDP fluctuations, as the main growth driver is related to population in terms of growth, birth rates and changing demographics. The derivative products are considered health care essentials and demand remained stable during the COVID-19 pandemic.

Super absorbent polymer has historically been manufactured by a handful of global players, who tend to develop capacity in their own countries, which gives them control over quality and protection for their proprietary technology. In 2021, the top ten super absorbent polymers producers accounted for around 90 percent of global capacity. Asia Pacific is the largest producing region followed by North America and Western Europe. Asia Pacific now accounts for more than two-thirds of global capacity. In the near term, severe oversupply, particularly in China, is expected to restrict any massive slate of investment.

For more information contact us at Markets@NexantECA.com or www.NexantECA.com



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Chapters 3 and 4 are segmented by key region:

- North America
- South America
- Western Europe
- Central Europe
- Eastern Europe
- Middle East
- Africa
- Asia Pacific

Each region/country is further segmented by:

- **Consumption:** Assesses historic and forecast consumption; forecasts are based on projections of end use and economic activity.
- **Supply:** Includes a list of all producers, their production capacity, location, etc., and discussion of the status of new projects.
- **Supply, Demand and Trade:** Provides historical analysis and forecasts to 2045 of consumption, production, imports/exports, inventory build-up/decline, capacity and capacity utilization.

This analysis will identify the issues shaping the industry, as well as provide an independent appraisal of the market.

For related analysis, please refer to:

[Market Analytics: Olefins](#)

[Profitability and Price Forecasts: Olefins](#)

[Profitability and Price Forecasts: Propylene Derivatives](#)

Subscription Details:

Subscription to **Market Analytics: Acrylic Acid and Super Absorbent Polymers - 2022** includes:

- 12 month access via the NexantECA website, to:
 - Unlimited downloads of PDF reports
 - Downloadable data in Excel from the Online Database
- Webinar
- Consultation time with the project team

Customized subscriptions are also available.

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For more information please contact

Markets@NexantECA.com

or

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The **Markets and Profitability** program comprises of the well-known Petroleum and Petrochemical Economics (PPE), PolyOlefins Planning Service (POPS), Strategic Business Analysis (SBA) and World Gas Analytics (WGAS).

Markets and Profitability tracks over 60 feedstocks, petrochemicals, polymers, chemical intermediates and fertilizers on an ongoing basis and provides regularly updated reports covering all commercial aspects of these global industries. The accompanying database, provides global analysis and forecasts in two major inter-related areas: **Markets and Profitability**.

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Americas

Tel: +1 914 609 0300
44 S Broadway,
4th Floor White Plains
NY 10601-4425
USA

Europe, Middle East & Africa

Tel: +44 20 7950 1600
110 Cannon Street
London, EC4N 6EU
United Kingdom

Asia Pacific

Tel: +662 793 4600
22nd Floor, Rasa Tower I
555 Phahonyothin Road
Kwaeng Chatuchak
Khet Chatuchak
Bangkok 10900
Thailand