



Market Analytics: Acrylic Acid and SAP - 2018

Market Analytics: Acrylic Acid and Super Absorbent Polymer - 2018 is one in a series of reports published as part of Nexant's Markets & Profitability program.

This report provides an in-depth analysis of the global acrylic acid and super absorbent polymers market.

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

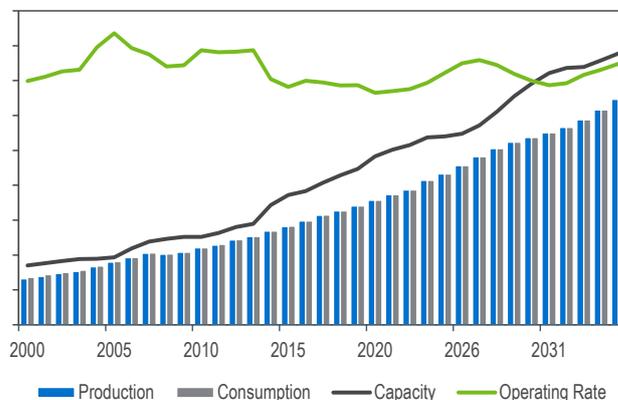
Report Abstract:

Acrylic acid and its derivative esters are among the most versatile monomers for providing performance properties to a wide variety of polymers.

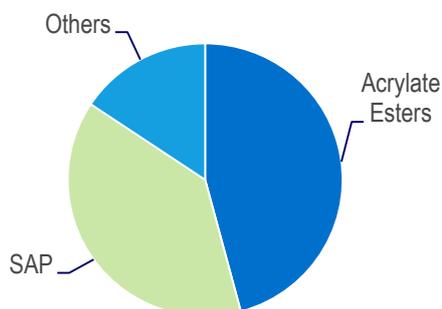
Global acrylic acid capacity was estimated at just over 8 million tons in 2017; from 2017 to 2020, most new capacity addition will be concentrated in China. If all projects come online according to plan over 1.5 million tons of capacity will be added by 2020. Although the massive influx of acrylic acid capacity in China is creating oversupply, local production technology implemented by some producers has been reported to be inefficient, therefore potentially operating at below the global average.

All acrylic acid capacity is based on the two-stage oxidation of propylene route. There were a number of small plants in Western Europe using the Reppe process, although all of these have now been permanently closed. Increased concern regarding the high crude oil price and environmental issues, had spurred the development of a bio-route to acrylic acid. Major producers in the industry have attempted to develop an industrial-scale process for producing bio-acrylic acid. These developments, however, are still at early stages and are expected to take some years before commercialisation.

Global Acrylic Acid Supply, Demand and Trade
million tons



Global Acrylic Acid Demand, 2017



Acrylate esters is the leading consumer of acrylic acid globally. The acrylate esters market can be divided into two main categories; commodity acrylates and specialty acrylates. Butyl acrylate has the largest demand volumes with demand driven mainly by coating applications, adhesives and resin modifiers.

Purified, or glacial, acrylic acid finds use in rheology applications such as superabsorbent polymers, flocculants, and anti-redeposition compounds in detergents. Most super absorbent polymers is based on sodium polyacrylate. Demand for super absorbent polymer is heavily influenced by consumption into hygiene items which mainly consists of diapers, sanitary items and incontinence pads. Demand for these finished products is heavily influenced by birth rates, ageing populations, disposable income and consumer trends.

Super absorbent polymer consumption into diapers accounts for nearly 75 percent of consumption globally in 2017. Growth for super absorbent polymer consumption into diapers will be strongest in regions where diaper penetration is currently low, regions where GDP is increasing, and regions with expected high birth rates. The global share of the diaper end-use is expected to fall slightly during the forecast period due to growth in other end-uses, in particular adult incontinence products, and also slowing birth rates.

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



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 - B. Propylene – Technology
- Chapters 3 and 4 are segmented by key geographic 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 2035 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 analysis on acrylates esters, please refer to our new report:

Market Insights: Acrylate Esters – 2018

Subscription Details:

Subscription to **Market Analytics: Acrylic Acid and Super Absorbent - 2018** includes:

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

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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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