



## Market Analytics: Phenol Chain - 2018

Market Analytics: Phenol Chain - 2018 is one in a series of reports published as part of Nexant's Markets & Profitability program.

Market Analytics: Phenol Chain - 2018 report provides an in-depth analysis of the phenol chain including:

- Cumene
- Phenol
- Acetone
- Bisphenol A
- Polycarbonate

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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.

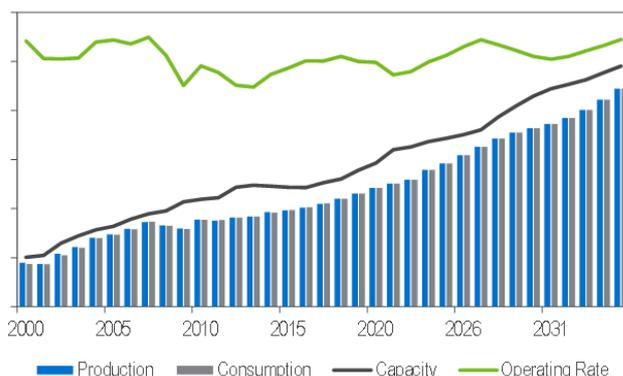
### Report Abstract:

Cumene is a small derivative of propylene. Cumene is used almost exclusively in the manufacture of phenol and acetone via integrated production complexes.

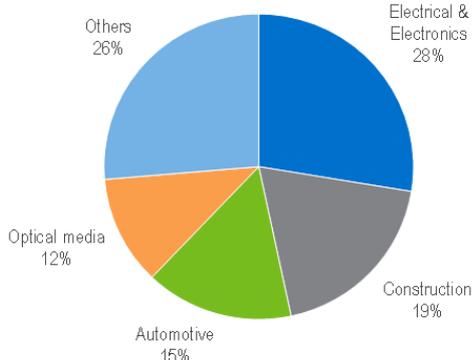
Bisphenol A (BPA) and phenolic resins are the main end-use markets for phenol, collectively accounting for approximately three quarters of the total market. The performance of these two markets are strongly tied to the automotive, construction and electrical/electronics sectors.

The integrated phenol/acetone/BPA process generates around 0.25 tons surplus of acetone for every ton of BPA produced. BPA is an important chemical intermediate used principally for production of polycarbonate and epoxy resins. Polycarbonate is the largest end-use globally, representing nearly two-third of the total demand while the majority of the remaining BPA is used for epoxy resin production. Polycarbonate is used in a range of relatively high, value-added polymer applications, such as automotive parts, appliance housings, electronics, household goods and construction. The electrical/electronics market is the largest global polycarbonate end-use.

Global Polycarbonate Supply, Demand and Trade  
million tons



Global Polycarbonate Demand, 2017-e



Polycarbonate production is highly concentrated in three regions: Asia Pacific, Western Europe and North America.

Asia Pacific has high growth potential, driven by infrastructure development and the growing automotive, electronic/electrical and construction sectors.

China, India and Vietnam are expected to continue with robust growth rates in all market sectors except optical media, supported by their growing economy, urbanisation and relocation of downstream manufacturing activity. However, developed markets such as Japan, South Korea and Taiwan will achieve limited demand growth unless new major applications are commercially applied. Although Western Europe and North America are leading global polycarbonate consumers, the markets are expected to grow modestly due to

the mature economies. In contrast, polycarbonate demand in South America and the Middle East will grow at a strong pace, albeit from a small base, supported by the good outlook in the electronic/electrical, construction and automotive industries.



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## Table of Contents:

1. Executive Summary
  2. The Propylene and Derivatives Industry
    - 2.1. Global Overview
    - 2.2. Current Industry Performance
    - 2.3. Phenol End-Use Overview
  3. Cumene
  4. Phenol
  5. Acetone
  6. Bisphenol A
  7. Polycarbonate
- Appendix
- A. Methodology
  - B. The Phenol Industry– Technology

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

Chapters 3 to 5 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 2035 of consumption, production, imports/exports, inventory build-up/decline, capacity and capacity utilization.

## Subscription Details:

Subscription to **Market Analytics: Phenol Chain - 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
- Customized subscriptions are also available.

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