



Market Analytics: Oxo Alcohols - 2023

Market Analytics: Oxo Alcohols - 2023 is one in a series of reports published as part of NexantECA's Markets & Profitability program.

Market Analytics: Oxo Alcohols - 2023 report provides an in-depth analysis of the polyurethane industry including:

- 2-Ethylhexanol (2EH)
- n-Butanol (NBA)
- iso-Butanol (IBA)

Published: December 2023

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.

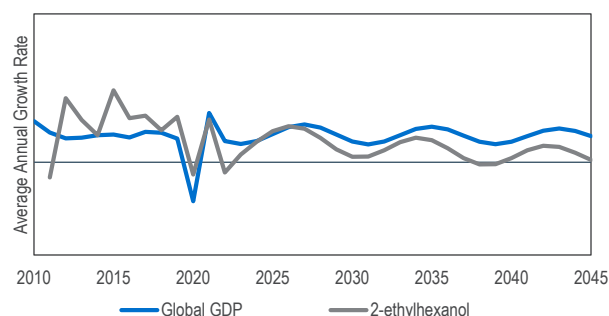
Report Abstract:

Oxo alcohols, as the name suggests, are produced through the oxo process. The oxo process, more formally known as hydroformylation, is the common name for the reaction of an olefin with carbon monoxide (CO) and hydrogen (H₂) in the presence of a homogeneous catalyst, yielding an aldehyde with a carbon number one higher than the reacting olefin.

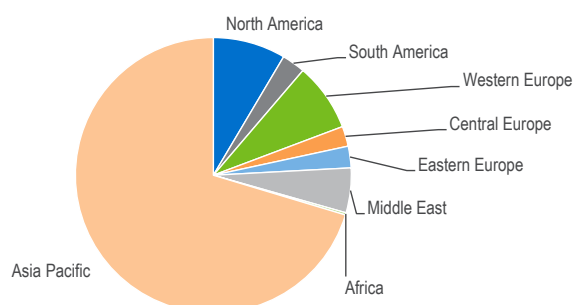
The aldehyde that results from the oxo process can be optionally condensed to form a larger aldehyde (aldolization) and is then hydrogenated to produce the corresponding alcohol. The three oxo alcohols covered in this report are 2-ethylhexanol, n-butanol and iso-butanol.

Demand growth of 2-EH is primarily driven by the construction industry where plasticised PVC is used for flexible flooring and electrical cables and 2-ethylhexyl acrylates are used in acrylic resins for paints and coatings. Plasticised PVC is also widely used in the automotive industry and for various consumer and household goods. North America and Western Europe are considered mature markets, with high per capita plastic consumption. Changing consumer habits and public awareness are changing the plasticizer market.

Global 2EH Consumption Growth
million tons



Global 2EH Demand, 2023



Butyl acrylate is expected to remain the main driver for n-butanol growth in the majority of regions. The architectural coatings market is likely to be supported by the residential housing market through the forecast market with new housing projects and commercial building projects being planned given favourable interest rates and planning legislation expected to drive demand in the short term. In North America and Western Europe, water-borne paints dominate the architectural market while its share in emerging markets is lower but advancing.

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



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Chapters 5 to 7 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:

[Profitability and Price Forecasts: Oxo Alcohols](#)
[Quarterly Business Analysis](#)

Subscription Details:

Subscription to **Market Analytics: Oxo Alcohols - 2023** 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

www.NexantECA.com



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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**.

NexantECA serves its clients from over 10 offices located throughout the Americas, Europe, the Middle East, Africa and Asia.

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