Subscribe to NexantThinking™

POPS: Global Linear Alpha Olefins Market - 2017

The PolyOlefins Planning Service (POPS) is a subscription providing detailed and insightful analysis of the global polyethylene and polypropylene business since the 1990s.

POPS is recognized globally as the benchmark source for detailed information and analysis of commercial and technological trends and developments in the polyolefin industry. The program is unique in providing detailed market and technology information to support both licensors' and producers' business planning.

The Global Linear Alpha Olefins Market report provides an in-depth analysis of the market including:

- **Butene-1**
- **Hexene-1**
- **Octene-1**
- **Higher alpha olefins**

Published: August 2017

Abstract:

The alpha olefins ("LAO") business is very complex as major producers serve a broad range of chemical industry segments from polyethylene comonomers (C_4-C_8) through synthetic lubricants (C10) and detergent intermediates (C_{12}-C_{14}) to oilfield chemicals, paper sizing agents (C_{16}-C_{18}), lubricant additives (C_{20+}), and wax rheological modifiers (C_{24+}). In addition, there are a myriad of fine and performance chemical intermediates.

The global demand for linear alpha olefins exceeded five million tons in 2016. Butene-1, which is sourced from both on-purpose production and full range LAO plants, accounted for 37 percent of demand in 2016. LAO demand is focused on LLDPE, which dominates, accounting for 54 percent of total demand consuming butene-1, hexene-1, octene-1.

Heavier linear alpha olefins (C_{8+}) account for under 40 percent of the market share and include the production of polybutene, lubricants, plasticisers, detergent alcohols, oil field chemicals, AOS additives, fine chemicals and other miscellaneous.

The challenge for the alpha olefins producer is that each market segment supplied has very different behaviour in terms of market size and growth, geography, fragmentation, need for technical service, etc.

Linear Alpha Olefin Demand by Fraction, 2016-e

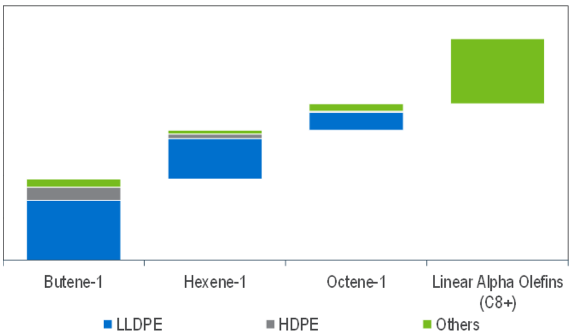

Table of Contents:

Each region in Section 4 is segmented by alpha olefin: butene-1, hexene-1, octene-1 and higher alpha olefins, and then further segmented by:

- Consumption: Butene-1, hexene-1 and octene-1 are segmented by end-use (LLDPE, HDPE and others). 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.

A review of the chemistry and process technology is also included in this report.

Accompanying the report is an Excel file which provides full global capacity listing and supply, demand and trade balances for the 41 countries currently analysed.

NexantThinking Online Database also includes the capacity and supply, demand and trade analysis for over 41 countries, with capacity updated on a monthly basis.

Polyolefins Planning Service (POPS):

The PolyOlefins Planning Service is available on subscription. Analysis is published in a variety of reports during the subscription period and data is included within our Online Database.

Reports include:

- Global Commercial Analysis
  - One data set published in Q4
  - One data set published in Q2
- Quarterly Business Update
- Ad-hoc Reports
  - Three unique issue driven reports are included during a 12-month subscription period.

For more information, please visit us at: http://thinking.nexant.com

NexantThinking™

NexantThinking reports and subscription programs provide clients with comprehensive analytics, forecasts and insights for the chemicals, polymers, energy and cleantech industries. Using a combination of business and technical expertise, with deep and broad understanding of markets, technologies and economics, NexantThinking provides solutions that our clients have relied upon for over 50 years.

Global in scope, Nexant serves its clients from over 30 offices located throughout the Americas, Europe, the Middle East, Africa and Asia.

Subscribe to our thought leadership today and explore our products and services at:

thinking.nexant.com

Corporate Headquarters

Tel: +1 415 369 1000
101 2nd St Suite 1000
San Francisco
CA 94105-3651
USA

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
1 King's Arms Yard
London EC2R 7AF
United Kingdom

Asia Pacific

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