

Cyclohexanol and Cyclohexanone

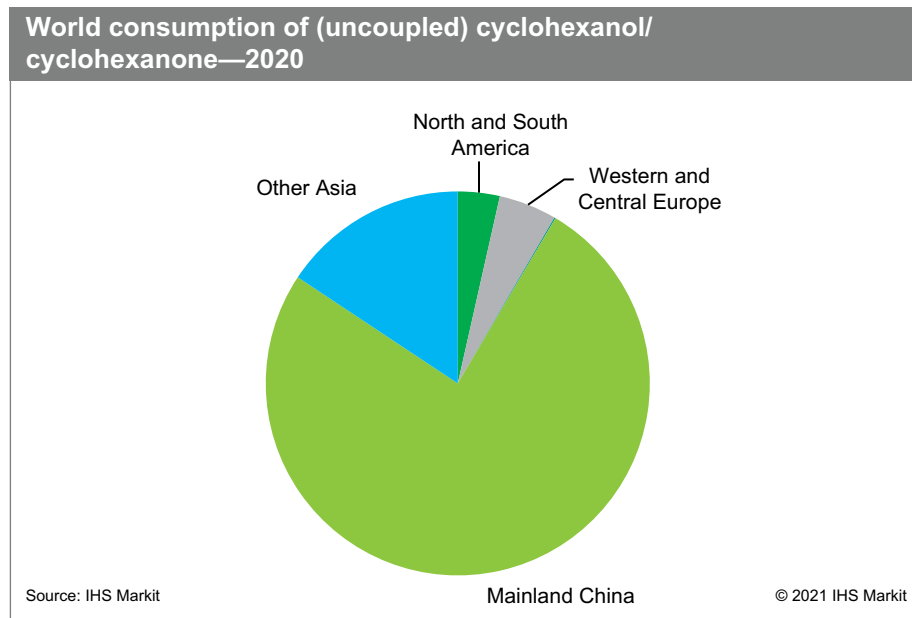
29 January 2021

Abstract

Northeast Asia (primarily mainland China) accounted for most of the world capacity in 2020, driven by the growth of nylon in the country, which drives the demand for caprolactam and adipic acid. The cyclohexanol/cyclohexanone mixture used for adipic acid manufacture is referred to as KA oil (for ketone-alcohol). Mainland China, Japan, and Taiwan are the largest uncoupled cyclohexanol/cyclohexanone producers. Western Europe had the second largest capacity in 2020, with local production sufficient to cater to domestic demand.

Around 82% of the global demand in 2020 was used in caprolactam production; the remaining was used in adipic acid and solvent applications. The demand for uncoupled cyclohexanol/cyclohexanone is influenced by the Asian/mainland Chinese market, primarily because of the caprolactam and adipic acid production in the region used to manufacture nylon 6 and nylon 66. The United States and Western Europe are the only other large players for the uncoupled product in the market, as much of the cyclohexanol/cyclohexanone these regions produce is consumed captively and are not available in the merchant market. The market in Western Europe is larger than in the United States, and this is expected to remain largely unchanged through the forecast period.

The following chart shows world consumption of uncoupled cyclohexanol and cyclohexanone:



For more detailed information, see the table of contents, shown below.

Contacts

Maria deGuzman • Maria.deguzman@ihsmarkit.com

IHS Markit's Chemical Economics Handbook – Cyclohexanol and Cyclohexanone is the comprehensive and trusted guide for anyone seeking information on this industry. This latest report details global and regional information, including



Global summary;
regional coverage



Producers with
annual capacities
and plant sites



Production figures
and trends



Consumption and
forecasts by end use
application



Manufacturing
processes and
environmental issues



Trade – imports
and exports

Key Benefits

IHS Markit's Chemical Economics Handbook – Cyclohexanol and Cyclohexanone has been compiled using primary interviews with key suppliers and organizations, and leading representatives from the industry in combination with IHS Markit's unparalleled access to upstream and downstream market intelligence and expert insights into industry dynamics, trade, and economics.

This report can help you

- Identify trends and driving forces influencing chemical markets
- Forecast and plan for future demand
- Understand the impact of competing materials
- Identify and evaluate potential customers and competitors
- Evaluate producers
- Track changing prices and trade movements
- Analyze the impact of feedstocks, regulations, and other factors on chemical profitability

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IHS Markit Customer Care

CustomerCare@ihsmarkit.com

Asia and the Pacific Rim

Japan: +81 3 6262 1887

Asia Pacific: +604 291 3600

Europe, Middle East, and Africa: +44 (0) 1344 328 300

Americas: +1 800 447 2273

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