

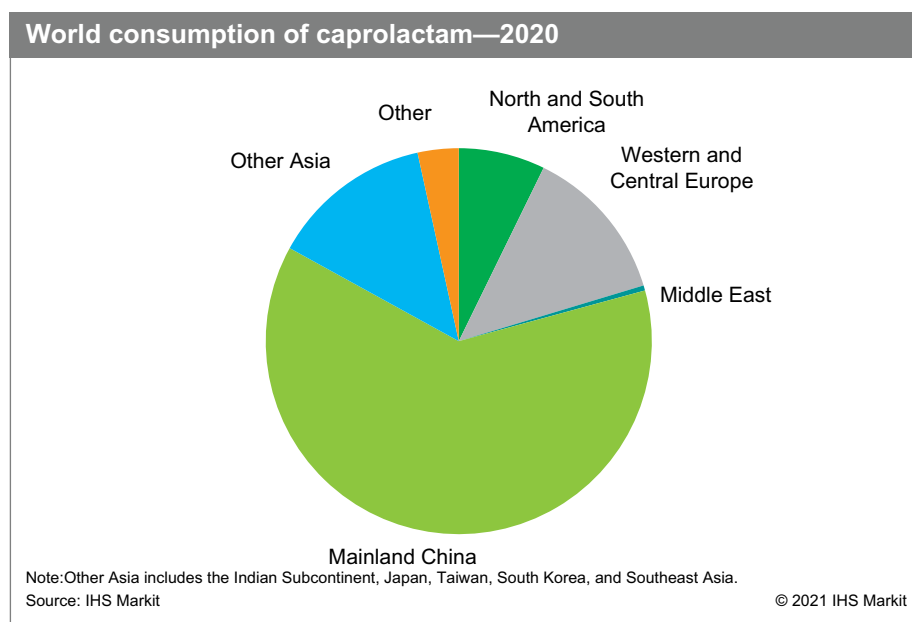
Caprolactam

April 2021

Abstract

Caprolactam, produced primarily from cyclohexane, is consumed in the production of nylon 6 fibers and nylon 6 engineering resins and films. More than half of world caprolactam consumption is for nylon 6 fibers and around one-fourth is for nylon 6 resins and films; the remainder is accounted for by trade in nylon 6 polymer chip. Nylon 6 fibers are used in the textile, carpet, and industrial yarn industries. Nylon resins are used as engineering plastics, with applications in the automotive industry, specialty film packaging for food, and wire and cabling. The gradual shifts in nylon 6 textile fiber production to Asia, followed by development in automobile, plastics, and electronics manufacturing away from more industrialized regions, have all contributed to historical growth for caprolactam and nylon 6 in Asia, and mainland Chinese nylon fiber and resin production continues to expand rapidly. In 2020, mainland China accounted for more than half of the global consumption of caprolactam, and will continue to drive world consumption during 2020–25.

The following pie chart shows world consumption of caprolactam:



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

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

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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

IHS Markit's Chemical Economics Handbook – *Caprolactam* 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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