

Calcium Carbide

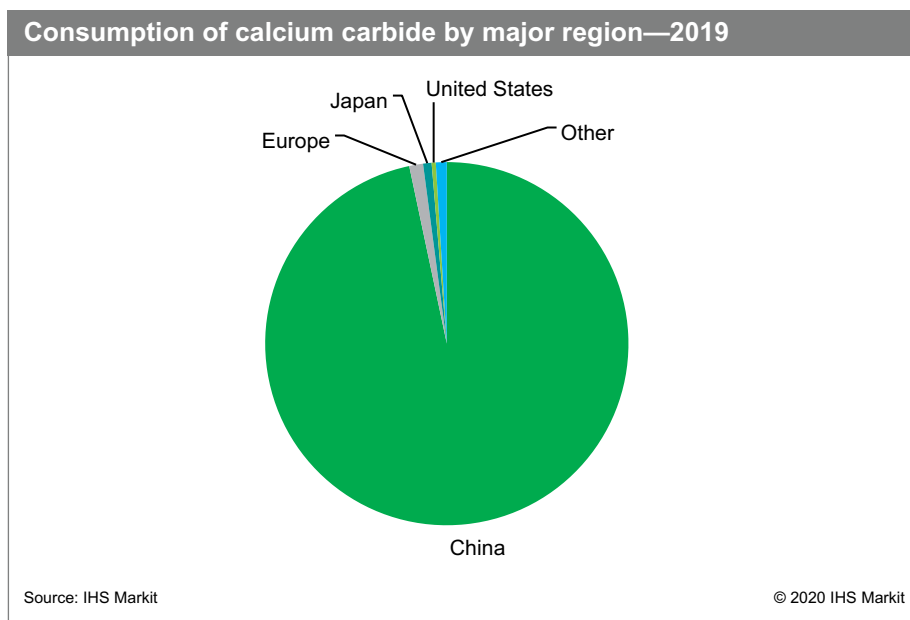
28 February 2020

Abstract

Calcium carbide is an inorganic compound with the following primary commercial applications: generation of acetylene, production of calcium cyanamide (a nitrogen fertilizer), use in the iron (foundry) and steel industries as a desulfurization reagent in the production of ductile iron and steel, and as a slag modifier/conditioner (reducer) in steel production.

Mainland China is the dominant player in the calcium carbide market. Driven by large Chinese coal reserves and the rapid development of chemical production—especially for the production of VCM and BDO from acetylene—Chinese production and consumption of calcium carbide has grown strongly in the past decade. Growth will moderate during the forecast period because of recent capacity rationalizations and the general slowing of economic growth in China, but global consumption of calcium carbide will continue to grow at a strong rate during 2019–24.

The following pie chart shows consumption of calcium carbide by major region/country in 2019:



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

IHS Markit's Chemical Economics Handbook – Calcium Carbide 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

Key benefits

IHS Markit's Chemical Economics Handbook – *Calcium Carbide* 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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