

# Calcium carbide (CAS 75-20-7) Market Research Report 2025

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## Abstracts

Calcium carbide (CAS 75-20-7) Market Research Report 2025 presents comprehensive data on Calcium carbide markets globally and regionally (Europe, Asia, North America etc.)

The report includes Calcium carbide description, covers its application areas and related patterns. It overviews Calcium carbide market, names Calcium carbide producers and indicates its suppliers.

Besides, the report provides Calcium carbide prices in regional markets.

In addition to the above the report determines Calcium carbide consumers in the market.

BAC Reports offers its clients in-depth market research of chemical industry products on the global and regional markets (North & Latin America, Asia Pacific, European Union, Russia and CIS).

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capacities and production

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market price trends

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existing technologies

feedstock market condition

market news digest

market forecast.

Calcium carbide (CAS 75-20-7) Market Research Report 2025 can feature:

market condition and estimations, market forecast

chemical product ranges, trademarks, analogous products, application areas

regional and global producers, consumers and traders (including contact details).

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\*Please note that Calcium carbide (CAS 75-20-7) Market Research Report 2025 is a half ready publication and contents are subject to change. It only requires updating with the help of new data that are constantly retrieved from Publisher's databases and other sources. This updating process takes 5-7 business days after order is placed. Thus, our clients always obtain a revised and updated version of each report. Please also note that we do not charge for such an updating procedure. BAC Reports has information for more than 25,000 different chemicals available but it is impossible to have all reports updated immediately. That is why it takes 5-7 days to update a report after an order is received.

## About

Product Name:	Calcium carbide
Synonyms:	Calcium acetylide Acetylenogen Calcium ethynediide Carbide
CAS#:	75-20-7
Formula:	$C_2Ca$
Molecular Weight:	64.1

Calcium carbide (calcium acetylide; calcium ethynediide; acetylenogen; calcium dicarbide) is a chemical compound with the molecular formula  $C_2Ca$  and the molecular weight 64.09. The compound exists as a grey or black solid with a garlic-like smell. Calcium carbide melts at  $447^{\circ}C$  and boils at  $2300^{\circ}C$ . The product is manufactured industrially by a mixture of lime and coke in an electric arc furnace.

Calcium carbide finds its main application in the flammable gas acetylene production. The compound is utilized in the desulfurisation of iron; in steelmaking as a fuel; at ladle treatment facilities as an effective deoxidizer. Another one use for the product is in the artificial ripening of fruit. However, such usage of calcium carbide is illegal because it can provoke cancer and other severe health problems. Moreover, the product is employed as a powerful chemical reducing agent.

Direct contact of calcium carbide with eyes may lead to irritation, transient discomfort or slight abrasive damage. The product may also cause skin irritation if absorbed through the skin, especially damaged skin. Inhalation of calcium carbide vapors can result in drowsiness, dizziness, lack of coordination, reduced alertness, etc. Overexposure to the product can cause cumulative health effects. It may produce changes in lung function, bronchitis, necrosis of the mandible.

Calcium carbide market is covered in the study Calcium carbide (CAS 75-20-7) Market Research Report 2025. The report encompasses proper description of the product,

unveils application areas, and briefly summarizes patents in the sphere. It overlooks calcium carbide market situation, names manufacturers, suppliers as well as users. The report also provides current calcium carbide prices in the market.

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