

Alpha-Pyrrolidone (CAS 616-45-5) Market Research Report 2025

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Date: May 2025

Pages: 70

Price: US\$ 2,200.00 (Single User License)

ID: ADCA36DCD02EN

Abstracts

Alpha-Pyrrolidone (CAS 616-45-5) Market Research Report 2025 presents comprehensive data on 2-Pyrrolidone markets globally and regionally (Europe, Asia, North America etc.)

The report includes 2-Pyrrolidone description, covers its application areas and related patterns. It overviews 2-Pyrrolidone market, names 2-Pyrrolidone producers and indicates its suppliers.

Besides, the report provides 2-Pyrrolidone prices in regional markets.

In addition to the above the report determines 2-Pyrrolidone 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).

We can analyze the following elements for each chemical product in any country or region:

capacities and production

consumption volume and structure

market price trends

exports and imports

existing technologies

feedstock market condition

market news digest

market forecast.

Alpha-Pyrrolidone (CAS 616-45-5) 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 Alpha-Pyrrolidone (CAS 616-45-5) 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:	2-Pyrrolidone
Synonyms:	2-Ketopyrrolidine
	2-Oxopyrrolidine
	2-Pyrol
	2-Pyrrolidinone
	2-Tetrahydropyrrolone
	4-Aminobutyric acid lactam
	Azacyclopentan-2-one
	Pyrrolidone
	?-Pyrrolidine
	?-Aminobutyric acid lactam
	?-Butyrolactam

CAS#:	616-45-5
Formula:	C ₄ H ₇ NO
Molecular Weight:	85.1

Alpha-pyrrolidone, otherwise known as 2-pyrrolidinone, pyrrolidin-2-one, pyrrolidon, gamma-aminobutyric lactam, etc., is an organic compound, which molecular formula is C₄H₇NO and molecular weight is 85.10. Alpha-pyrrolidone is a clear colorless liquid with a faint and amine-like scent. Boiling point of the compound is 245 °C. Alpha-pyrrolidone is miscible with water, highly soluble in chloroform, ether, alcohol, carbon disulfide.

Alpha-pyrrolidone can be produced by the reaction between gamma-butyrolactone and

ammonia, by high-pressure synthesis from acetylene and formaldehyde, and by Reppe process from butyrolactone.

Alpha-pyrrolidone can be used as a precursor for N-vinyl-2-pyrrolidone, solvent for animal injection, optical co-solvent for the water-based ink formulation, building block for pharmaceutical active ingredient, copolymer for floor polishes and a process solvent for membrane filters. Moreover, the product is utilized in the production of polyamide-4 fiber and piracetam.

Alpha-pyrrolidone produces acute eye damage, inflammation of skin and its pre-existing dermatitis condition. Ingestion of the product may cause such harmful side effects as dizziness, muscle twitches, fever, dilated pupils, headaches, etc. Vapors of alpha-pyrrolidone may cause drowsiness, vertigo, reduced alertness, coughing, etc. Prolonged contact with the product leads to the disease of the airways and related systematic problems.

Alpha-pyrrolidone market is covered in the study Alpha-Pyrrolidone (CAS 616-45-5) Market Research Report 2025. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in the sphere. It overlooks alpha-pyrrolidone market situation, names manufacturers, suppliers as well as users. The report also provides current alpha-pyrrolidone prices in the market.

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