

Nitrocellulose (CAS 9004-70-0) Market Research Report 2025

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Abstracts

Nitrocellulose (CAS 9004-70-0) Market Research Report 2025 presents comprehensive data on Nitrocellulose markets globally and regionally (Europe, Asia, North America etc.)

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

Besides, the report provides Nitrocellulose prices in regional markets.

In addition to the above the report determines Nitrocellulose 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.

Nitrocellulose (CAS 9004-70-0) 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 Nitrocellulose (CAS 9004-70-0) 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: Nitrocellulose

Synonyms:

Cellulose, nitrate

Guncotton.

Nitrocellulose mixture, with plasticizer, with pigment

Nitrocellulose mixture, with plasticizer, without pigment

Nitrocellulose mixture, without plasticizer, with pigment

Nitrocellulose mixture, without plasticizer, without pigment

Nitrocellulose with not less than 25% alcohol

Nitrocellulose, wet, with not less than 30% alcohol or solvent

Nitron

Pyroxylin

COLLODION

Cellulose nitrate

Collodion

CAS#: 9004-70-0

Formula: $C_{12}H_{17}(ONO_2)_3O_7$???

Usage: Wound dressing, flash paper, explosives,

guitar finish, .

Nitrocellulose (also called cellulose nitrate, nitron, pyroxylin, colloxylin, fulmicoton, etc.) is a mixture of nitric esters of cellulose ??“ a naturally occurring polymer obtained from wood pulp or the short fibres (linters) that adhere to cotton seeds; and a highly flammable compound with the formula $C_{20}H_{16}N_4$.

In the late 19th and early 20th centuries, nitrocellulose was the basis of the earliest man-made fibres and plastic materials.

Nitrocellulose is made by causing cellulose to react with nitrating acid ??“ a mixture of nitric and sulfuric acid. Highly nitrated cellulose ??” nitrocellulose containing more than 12.5% nitrogen ??” will dry to a fluffy white substance known variously as pyrocellulose and guncotton. Discovered by Swiss chemist Christian Friedrich Sch??nbein in 1846, guncotton is employed in gunpowders, solid rocket propellants, and explosives.

Moderately nitrated cellulose (containing approximately 10.5 to 12.5% nitrogen) is also flammable, though less violently so than guncotton, and is soluble in alcohols and ethers. Nitrocellulose of this type is employed as a film-forming agent in solvent-based paints, protective coatings, and fingernail polishes.

Nitrocellulose has other properties that make it an important material apart from its use as a propellant. Since it forms a plastic material when dissolved in organic solvents like ether-alcohol or acetone, it can be made into many different forms that maintain their shape when the solvents evaporate. It can also be hot-formed and will retain its shape when cooled.

Nitrocellulose market is covered in the study Nitrocellulose (CAS 9004-70-0) Market Research Report 2025. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in the sphere. It overlooks nitrocellulose market situation, names manufacturers, suppliers as well as users. The report also provides current nitrocellulose prices in the market.

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