

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

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Abstracts

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

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

Besides, the report provides COLLODION prices in regional markets.

In addition to the above the report determines COLLODION 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.

COLLODION (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).

Contents

1. COLLODION (CAS 9004-70-0)

- 1.1. General information, synonyms
- 1.2. Composition, chemical structure
- 1.3. Safety information
- 1.4. Hazards identification
- 1.5. Handling and storage
- 1.6. Toxicological & ecological information
- 1.7. Transport information

2. COLLODION APPLICATIONS

- 2.1. COLLODION application spheres, downstream products

3. COLLODION MANUFACTURING METHODS

4. COLLODION PATENTS

- Abstract
- Description
- Summary of the invention
- Detailed description of the invention

5. COLLODION MARKET WORLDWIDE

- 5.1. General COLLODION market situation, trends
- 5.2. Manufacturers of COLLODION
 - Europe
 - Asia
 - North America
 - Other regions
- 5.3. COLLODION suppliers (importers, local distributors)
 - Europe
 - Asia
 - North America
 - Other regions

5.4. COLLODION market forecast

6. COLLODION MARKET PRICES

6.1. COLLODION prices in Europe

6.2. COLLODION prices in Asia

6.3. COLLODION prices in North America

6.4. COLLODION prices in other regions

7. COLLODION END-USE SECTOR

7.1. COLLODION market by application sphere

7.2. COLLODION downstream markets trends and prospects

*Please note that COLLODION (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: COLLODION

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

Nitrocellulose

Cellulose nitrate

Collodion

CAS#: 9004-70-0

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

$C_{12}H_{14}(ONO_2)_6O_7$

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 Schönbein 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 2012. 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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