

Nitromethane (CAS 75-52-5) Market Research Report 2024

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Abstracts

Nitromethane (CAS 75-52-5) Market Research Report 2024 presents comprehensive data on Nitromethane markets globally and regionally (Europe, Asia, North America etc.)

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

Besides, the report provides Nitromethane prices in regional markets.

In addition to the above the report determines Nitromethane 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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existing technologies

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market forecast.

Nitromethane (CAS 75-52-5) Market Research Report 2024 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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About

Product Name: Nitromethane

Synonyms:

Nitromethane(Methyl Nitrobenzene)

Nitrocarbol

CAS#: 75-52-5

Formula: CH_3NO_2

Molecular Weight: 61.04

Nitromethane (also known as nitrocarbol, nitrometan, NMT, and NM) is the simplest organic nitro compound with the chemical formula CH_3NO_2 . It is a slightly viscous, highly polar liquid, soluble in water, alcohol, ether, acetone, and dimethylformamide; melting at $-29\text{ }^\circ\text{C}$ and boiling at $101.2\text{ }^\circ\text{C}$. When heated, nitromethane is unstable. It also forms an explosive sodium salt that bursts into flame on contact with water.

Nitromethane was first prepared in 1872 by Kolbe, and is produced commercially by high temperature vapour-phase nitration of propane. The process, which uses nitric acid as the nitrating agent, is based on a free-radical reaction in which the active species is the NO_2 radical.

Nitromethane is used as a synthesis intermediate for nitromethane derivatives, agricultural fumigants, biocides, and other products; as a solvent; and, in mixtures with ammonium nitrate, as an explosive in mining, oil-well drilling, and seismic exploration. It is also used as a fuel or fuel additive to increase the power output of rockets, racing cars, boats, and model engines.

Nitromethane is structurally related to other nitro compounds, 2-nitropropane and tetranitromethane, that have been evaluated by IARC and considered to be possibly carcinogenic to humans. The mechanism of carcinogenicity for nitromethane and these other nitro compounds is not known; however, it has been hypothesized that reactive radicals may play a key role in their carcinogenicity.

Nitromethane market is covered in the study Nitromethane (CAS 75-52-5) Market Research Report 2023. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in the sphere. It overlooks

nitromethane market situation, names manufacturers, suppliers as well as users. The report also provides current nitromethane prices in the market.

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