

Hydrazine, hydrate (CAS 10217-52-4) Market Research Report 2025

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Abstracts

Hydrazine, hydrate (CAS 10217-52-4) Market Research Report 2025 presents comprehensive data on Hydrazine hydrate markets globally and regionally (Europe, Asia, North America etc.)

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

Besides, the report provides Hydrazine hydrate prices in regional markets.

In addition to the above the report determines Hydrazine hydrate 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

consumption volume and structure

market price trends

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existing technologies

feedstock market condition

market news digest

market forecast.

Hydrazine, hydrate (CAS 10217-52-4) 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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About

Product Name: Hydrazine hydrate

CAS#: 10217-52-4

7803-57-8

Formula: $\text{H}_6\text{N}_2\text{O}$

Molecular Weight: 50.06

Hydrazine hydrate (also called hydrazine monohydrate, hydrazinium hydroxide, hydrazine hydroxide, hydrazine) is a compound of hydrogen, nitrogen, and water, with molecular formula $\text{H}_2\text{NNH}_2 \cdot \text{H}_2\text{O}$. It is a clear colorless liquid, melting at -51.7°C (lit.) and boiling at 120.1°C (lit.).

The industrial production of hydrazine hydrate is carried out by the Raschig, Bayer and Atochem processes.

Hydrazine hydrate is a highly effective reducing agent used in the synthesis of blowing agents; bio-active intermediates for agrochemical and pharmaceutical products; and other products including certain organic pigments for dyes, reagents for photography, urethanes and acrylics, hydrobromic acid, etc.

Directly hydrazine hydrate is used as an anticorrosion additive in the water circuits of thermal and nuclear plants; in refining of precious metals; in formulation of rocket fuels.

Hydrazine hydrate is also a key raw material in the production of pharmaceutical intermediates, plastic additives, herbicides and fungicides, as a reducing agent for the recovery of precious metals and in catalyst preparation. It also has uses as a chain extender in water based urethane coatings.

Hydrazine hydrate has the potential to replace hydrogen fuel cells in future. Engineers at the Daihatsu unit of Yoyota (Japan) contend that hydrazine hydrate is much better than hydrogen because it has higher output, is easier to store and deliver, has no carbon dioxide emissions, and is less expensive to use.

Hydrazine hydrate market is covered in the study Hydrazine, hydrate (CAS 10217-52-4)

Market Research Report 2025. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in the sphere. It overlooks hydrazine hydrate market situation, names manufacturers, suppliers as well as users. The report also provides current hydrazine hydrate prices in the market.

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