

Sodium Silicate (CAS 1344-09-8) Market Research Report 2025

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Abstracts

Sodium Silicate (CAS 1344-09-8) Market Research Report 2025 presents comprehensive data on Sodium Silicate markets globally and regionally (Europe, Asia, North America etc.)

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

Besides, the report provides Sodium Silicate prices in regional markets.

In addition to the above the report determines Sodium Silicate 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

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exports and imports

existing technologies

feedstock market condition

market news digest

market forecast.

Sodium Silicate (CAS 1344-09-8) 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 Sodium Silicate (CAS 1344-09-8) 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:	Sodium Silicate
Synonyms:	Silicic acid, sodium salt
	Sodium silicate
	Soluble glass
	Waterglass
	SILICON
	Sodium Metasilicate Pentahydrate
CAS#:	1344-09-8
	10213-79-3
	13870-30-9
	13517-24-3
	6834-92-0
Formula:	$\text{Na}_2\text{O}_3\text{Si}$
Molecular Weight:	122.06
Appearance:	A powdered or flaked solid.
Usage:	Lining bessemer converters, acid concentraters, manufacture grindstones, abrasive wheels (as binder only).

Sodium silicate, a.k.a. sodium metasilicate, silican, soluble glass, water glass, sodium water glass, dryseq, sodium silicate, etc. refers to one of several compounds that contain sodium oxide, Na_2O , and silica, Si_2O , or a mixture of sodium silicates varying ratios of SiO_2 to Na_2O , solids contents, and viscosity. Sodium silicate has the molecular formula $\text{Na}_2\text{O}_3\text{Si}$ and exists as a white to greenish solid without any odor or with a musty smell. The product is insoluble in alcohol, partially soluble in methanol and diethyl ether, and easily dissolves in water. Boiling point of sodium silicate is 2355 °C.

Sodium silicate is irritating, toxic, corrosive and highly flammable. The product is a strong alkaline irritant that causes severe irritation of eyes, skin, the gastrointestinal tract and of upper respiratory tract. A contact of the product with eyes causes inflammation and/or serious burns with possible damage to the eyes tissues.

Dermal contact with sodium silicate produces pain, itching, redness, severe irritation or burns. Ingestion of the product leads to nausea, oral mucosa, upper airway, burns to the lips and tongue, vomiting and diarrhea, esophagus and occasionally stomach. Burning sensation, coughing, wheezing, shortness of breath, headache, nausea and vomiting, lung damage are among the most common symptoms of sodium silicate inhalation.

Sodium silicate finds applications for industrial, agricultural and manufacturing uses. The product is utilized as a substitute for phosphates in detergents, as a deflocculent in the manufacturing of potters and ceramics. Moreover, sodium silicate is widely utilized in waste-paper deinking formulations, in clay slip casting, in the production of raw clay and other mineral slurries. Furthermore, sodium silicate is used for many different purposes, including washing eggs, peeling fruits. Besides, the product is used in the textiles processing industry.

Sodium silicate market is covered in the study Sodium Silicate (CAS 1344-09-8) Market Research Report 2025. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in the sphere. It overlooks sodium silicate market situation, names manufacturers, suppliers as well as users. The report also provides current sodium silicate prices in the market.

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