



Certificate No. : 6709-001

Shree Jay Ambe

Associated Finechem Pvt. Ltd.



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Technical data sheet

Sodium Metasilicate Anhydrous

Product Properties and technical data.

Chemical name: - Sodium metasilicate anhydrous

Chemical HS number: - 28391100

Chemical Family: - Inorganic chemical

Chemical Formula: - Na_2SiO_3

Molecular weight: - 122.06

CAS No: - 6834-92-0

Widely known as: - SMS anhydrous.

General Specification:

SR No.	Characteristics	Specifications
1	Physical Appearance	White to off white granule and powder
2	$\text{Na}_2\text{O}\%$	48 % min
3	$\text{SiO}_2\%$	44 % min
4	Ratio $\text{Na}_2\text{O} : \text{SiO}_2$	1:0.9 +/- 0.05

All the parameters are tested using a process issued by Bureau of Indian standard (BIS). The instruments used in the process are calibrated by NABL acerbated labs.

Other Grades of Sodium metasilicate anhydrous

1. Sodium metasilicate anhydrous powder.
2. Sodium metasilicate anhydrous granules.

Application:-

Sodium metasilicate forms silica gel when reacting with acids. It is used as a sizing and stabilizing agent in the paper industry, an emulsifier in detergents, and a bleaching agent in hair colors. In automotive applications, it aids in engine decommissioning, cooling system sealing, and exhaust repair. It also stabilizes ferrate films for corrosion protection and serves as an egg preservative and crafting material.

Handling and storage:

The self-life of the material is 1 year. It is a highly hygroscopic material so once open the bag use the material all at once or repack/reseal the bag. Store in a cool and dry place away from direct sunlight. Preferable in a shed where there is no weather effect.

Packing:

Double-bagged packaging consists of a 25 kg polypropylene (PP) woven bag with an inner PP liner, resulting in a total of four protective layers.

Production Capacity:

We have a monthly production capacity of 60 MT.