



Certificate No. : 6709-001

Shree Jay Ambe

Associated Finechem Pvt. Ltd.



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Technical data sheet

Sodium Metasilicate Nonahydrate

Product Properties and technical data.

Chemical name: - Sodium metasilicate nonahydrate
 Chemical HS number: - 283911100
 Chemical Family: - Inorganic chemical
 Chemical Formula: - $\text{Na}_2\text{SiO}_3 \cdot 9\text{H}_2\text{O}$
 Molecular weight: - 284.2
 CAS No: - 10213-79-3
 Widely known as: - SMS $9\text{H}_2\text{O}$, Sodium metasilicate $9\text{H}_2\text{O}$.

General Specification:

SR No.	Characteristics	Specifications
1	Physical Appearance	White to off white crystals
2	$\text{Na}_2\text{O}\%$	22 % min
3	$\text{SiO}_2\%$	22 % min
4	Ratio $\text{Na}_2\text{O} : \text{SiO}_2$	1:1 +/- 0.1

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.

Application:-

Sodium Metasilicate nonahydrate in paper industry it is used as a sizing agent and buffer/stabilizing agent when mixed with hydrogen peroxide. In Soaps and Detergents industry (domestic and industrial) it is used as an emulsifying and suspension agent. Egg Preservative - seals eggs increasing shelf life. Crafts - forms "stalagmites" by reacting with and precipitating metal ions.

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:

25/50 kg PP woven bag with PP linear inside.

Production Capacity:

We have a monthly production capacity of 200 MT.