

# SODIUM METASILICATE NONAHYDRATE



## DESCRIPTION

**Sodium Metasilicate Nonahydrate** is a white moist crystalline powder or granules, highly soluble in water. It is a strong alkaline substance with a high pH value. This compound is widely used in various industries, including detergents, paper, textiles due to its excellent builder and alkalinity properties.

## KEY CHARACTERISTICS

- High alkalinity
- Excellent solubility in water
- Effective builder and dispersant
- Versatile applications in various industries

## APPLICATION

- **Paper Industry:** Acts as a sizing agent and buffer/stabilizing agent when mixed with hydrogen peroxide, enhancing paper production processes.
- **Soaps and Detergents:** Serves as an effective emulsifying and suspension agent in both domestic and industrial cleaning formulations.
- **Food Preservation:** Used as an egg preservative, forming a protective coating that seals eggs and extends shelf life.
- **Crafts:** Reacts with metal ions to form "stalagmites" or other decorative structures, making it a popular choice for creative projects.

## PROPERTIES

Na <sub>2</sub> SiO <sub>3</sub> .9H <sub>2</sub> O	
Characteristics	Specifications
Appearance	White to off white granular powder
Na <sub>2</sub> O %	21% Min
SiO <sub>2</sub> %	21% Min
Ratio	1:1±0.1

## SHELF LIFE

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 bag (one bag inside another bag) 25 kg PP woven bag with PP linear inside

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## HANDLING PRECAUTION

- Prevent dust formation and inhalation. Wear protective equipment to avoid skin and eye contact.
- Ensure thorough washing after handling.
- Store in compliance with relevant regulations, keeping containers sealed and labeled correctly.
- Avoid using aluminum containers, fittings, or transfer lines, as they may produce flammable hydrogen gas.
- Store away from incompatible materials.



## IMPORTANT NOTICE :

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