

# Xiamen Ditai Chemicals Co., Ltd.

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## Sodium Metasilicate Pentahydrate CAS 10213-79-3

### Sodium Metasilicate Pentahydrate Product Description

Sodium Metasilicate Pentahydrate

Classification:Silicate

CAS No.:10213-79-3

Molecular Fomula:Na<sub>2</sub>SiO<sub>3</sub>·5H<sub>2</sub>O

Appearance:White powder or granular

Grade Standard:Industrial Grade



## Sodium Metasilicate Pentahydrate Specifications

Checking Item	Test Standard	Test Result
	(HG/T2568-08)	
Sodium oxide(Na <sub>2</sub> O)%	28.70-30.00	29.01
Silica(SiO <sub>2</sub> )%	27.80-29.20	29.08
Water insoluble%	≤0.05	0.03
Fe(ppm)	≤100ppm	58
Whiteness%	≥80	87
Bulk Density	0.80-0.97g/cc	0.95
PH of 1.0% Solution	12-13	12.50
Melting Point	72.2°C	72.2°C
ParticularSize %(16-30 mesh)	≥90	97

## Sodium Metasilicate Pentahydrate Application

1. It has the strong capability of cleaning, widely used for the manufacture of a variety of detergents in detergent industry, so it is the best substitute for STPP, reducing environmental pollution.
2. Sodium meta silicate provides anti-corrosion protection to metals (zinc, aluminum, etc.) and is used as metal cleaner and metal surface treatment agents.
3. In the textile industry: mainly used as printing and dyeing auxiliaries, fabric pre-treatment agent and as detergents in cooking and dyeing cotton yarn.
4. In the Paper & Printing Industry: It can be used as adhesives, old paper deinking agent, paper surface treatment agent and printing detergent.
5. In the ceramic industry: used for sludge thinners. It is especially suitable for additives used in slip-casting forming and ceramic forming.
6. In the metallurgical industry: used as inhibitors and dispersing agent of silicon-containing minerals, smelting furnace dispersants, fast-drying agents, and foundry and separating agents.
7. In the construction field: used for concrete dispersion agent and hardening accelerator. It is also used as coagulation accelerator.

