

Shreenath Marketing developed own technology to produce Metasilicate first we dissolving Sodium Silicate Lumps with water at 120°C Temperature and 2 kg/cm<sup>2</sup> pressure or by hydrothermal process which is produced by reacting caustic lye and fine crystalline silica in autoclaves under intense pressure.

We produce many type of sodium metasilicate grades as per customer requirement and serve in Indian market. Mainly we produce SODIUM METASILICATE PENTAHYDRATE ( 5H<sub>2</sub>O), SODIUM METASILICATE NONAHYDRATE (9 H<sub>2</sub>O).

CAS NO.: 6834-92-0, HS Code: 28391100, E.C NO.: 229-912-9

## Sodium MetaSilicate 5H<sub>2</sub>O properties:-

Description	Meta Silicate 5(H <sub>2</sub> O)
Appearance	Crystalline Powder and Granular
Color	white
Solubility	Soluble in Cold water
Brightness	82 % (+/- 2 %)
Whiteness	90 % (+/- 2 %)
Specific Gravity	1.65 (+/- 2 %)
Purity as (Na <sub>2</sub> .SiO <sub>3</sub> .5H <sub>2</sub> O)	99 % (+/- 0.5 %)
Matter Insoluble	0.045 (+/- 0.5 %)
Iron (as Fe <sub>2</sub> O <sub>3</sub> )	0.025 (+/- 0.5 %)
PH	12.8 (1% Solution)
Weight Ratio (SiO <sub>2</sub> :Na <sub>2</sub> O)	1:0.99 (+/- 0.05%)
Total solid content (%)	57.00% (+/- 1 %)
Silicon Dioxide (SiO <sub>2</sub> ) (%)	28.55% (+/- 1 %)
Sodium Oxide (Na <sub>2</sub> O) (%)	28.75% (+/- 1 %)
Molecular Formula	Na <sub>2</sub> SiO <sub>3</sub> .5H <sub>2</sub> O

## Sodium MetaSilicate 9H<sub>2</sub>O properties:-

Description	Meta Silicate 9(H <sub>2</sub> O)
Appearance	Crystalline Powder and Granular
Color	white
Solubility	Soluble in Cold water
Brightness	82 % (+/- 2 %)
Whiteness	90 % (+/- 2 %)
Specific Gravity	1.65 (+/- 2 %)
Purity as (Na <sub>2</sub> .SiO <sub>3</sub> .9H <sub>2</sub> O)	99 % (+/- 0.5 %)
Matter Insoluble	0.045 (+/- 0.5 %)
Iron (as Fe <sub>2</sub> O <sub>3</sub> )	0.025 (+/- 0.5 %)
PH	12.8 (1% Solution)
Weight Ratio	1:0.99 (+/- 0.05%)
Total solid content (%)	43.55% (+/- 1 %)
Silicon Dioxide (SiO <sub>2</sub> ) (%)	21.55% (+/- 1 %)
Sodium Oxide (Na <sub>2</sub> O) (%)	21.65% (+ / - 1 %)
Molecular Formula	Na <sub>2</sub> SiO <sub>3</sub> .9H <sub>2</sub> O