Technical Data Sheet

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SODIUM METASILICATE
CAS #: 10913-79-3

DESCRIPTION

Sodium Metasilicate (Pentahydrate) is a white powder form chemical which is soluble in water with a $SiO_2:Na_2$ to ratio of 1, as it contains a high active content of both silica and alkali.

It is applied in wide range of detergents and cleaning products. The metal cleaning, industrial and institutional cleaners, textile and food processing industries all utilize metasilicates for the superior physical and chemical properties. They are also used to manufacture specialty cements used in the drilling industry.

TECHNICAL SPECIFICATIONS

Appearance	: White powder
Chemical Formula	: $Na_2SiO_3.5H_2O$
Purity	: 45 ± 1%
Ratio	: 1.02
SiO2	: 23 ± 1%
Na2O	: 22.5 ± 0.5 %
Solubility in Water	: Soluble
Packing	: 25 Kg plastic bags on pallets or inside Big bags

APPLICATIONS

Sodium Metasilicate has been used for a long time in alkaline cleaning agents for the household and industrial sectors. Sodium Metasilicate provides both silica and alkalinity in a molar ratio of 1:1 between silica and sodium oxide, which makes it especially suitable for hard surface cleaning. Its multifunctional cleaning properties enhance the removal of fatty and particulate soil in both soft and hard water. The corrosion inhibiting properties of Sodium Metasilicate help protect both metal and non-metal surfaces.