

SHANGHAI MINTCHEM DEVELOPMENT CO., LTD

R602 4# 89 NONG MUDAN ROAD PUDONG SHANGHAI CHINA

Specification Sheet

Sodium Silicate

Physical Properties:

Formula	Na ₂ SiO ₃	Molecular Weight	122.06	C.A.S-NO	1344-09-8
U.N-NO	2922	Class	8	H.S-NO	2839190000

Character:

Sodium Silicate is a white powder that is readily soluble in water, producing an alkaline solution. 1410 melting point and 2355 boiling point. Sodium Silicate is stable in neutral and alkaline solutions. In acidic solutions, the silicate ion reacts with hydrogen ions to form silicic acid, which when heated and roasted forms silica gel, a hard, glassy substance.

Chemical Parameters:

NO.	Technological Specification	Standard%	
		Alkalescent	Neutral
1	Modulus	3.1-3.4	2.0-2.2
2	Moisture content	25%max	23%max
3	Water insoluble matter	0.04%max	0.4%max
4	Particle size	40 mesh max or 20-40mesh	40 mesh max or 20-40mesh

APPLICATION: Sodium Silicate Powder is mainly used as binder for making fire-resistant material, industry cleaner and antiseptic. Sodium Silicate liquid is mainly used as raw material to produce silica gel, silica, zeolite molecular sieve, silica sol and so on.

PACKAGE: Packing in 25kgs each plastic weaved bag.

Transportation: DG, Class 8, UN 2922

MANUFACTURER: SHANGHAI MINTCHEM DEVELOPMENT CO., LTD

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