Technical Data Sheet

Item Name:

SSP (INSTANT SOLUBLE SILICATE)

PRODUCT INFORMATION

Chinese Name:	速溶硅酸钠
Commodity Name:	Silicate Powder
Chemical Name:	Sodium Silicate Powder
Other Name:	Instant Soluble Sodium Silicate, Water Glass Powder
CAS No.:	1344-09-8
Molecular Weight:	n/a
Molecular Formula:	$Na_2O.mSiO_2$

PRODUCT DESCRIPTION

White Powder. Mutually dissolvable with water.

TECHNICAL SPECIFICATION

Index	Low Modulus		High Modulus		
	I	II	III	IV	V
Ratio	2.0±0.1	2.3±0.1	2.85±0.10	3.0±0.1	3.3±0.1
Na_2O content by wt %	25.5~29.0	23.0~26.0	21.0~23.0	18.5~22.5	19.0~21.0
SiO_2 content by wt %	49.0~53.0	51.0~55.5	56.0~62.0	55.0~64.0	60.0~66.5
Dissolution rate S (30°C)	60 max	80 max	180 max	240 max	240 max
Density by g/ml	0.30~0.80	0.40~0.80	0.50~0.80	0.50~0.80	0.60~0.80
Degree of fineness (120 mesh) by wt %	95 min	95 min	95 min	95 min	95 min

MAIN APPLICATION

Sodium silicate powder can be used as quick-drying agent and reinforcing agent for cement.

Used as the flocculating settling agent for drilling cuttings, the lost circulation additive for bentonite and cement,and the plugging agent for oil and gas wells. Also used as the binder for refractory materials, such as furnace gunning refractory, castable refractory, etc.

Used as the binder for foundry industry and insulation materials, and the thickening agent for oil industry, etc.

One of the ingredients of detergent.

PACKING, LOADING AND SHELF LIFE

Packing: 25kg / 650kg PP bag with PE liner
Loading: 16mt/20'fcl for 25kg bags on pallets, 17mt/20'fcl for 25kg bags only, 26mt/40'HQ for 650kg bags
Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.