

Neutral Sodium Silicate Liquid is produced by dissolving Neutral sodium silicate Lumps with water at 128°C Temperature and 2.5 kg/cm² pressure or by hydrothermal process which is produced by reacting caustic lye and fine crystalline silica in autoclaves under intense pressure.

NEUTRAL SODIUM SILICATE GALSS LIQUID SPECIFICATION							
RATIO (Na ₂ O : SiO ₂) = 1 : 3.2 (+/- 2%)							
Be°	30°	31°	32°	33°	34°	35°	36°
Na ₂ O	6.360	6.500	6.75	6.96	7.15	7.42	8.11
SiO ₂	20.670	21.150	21.95	22.63	23.28	24.13	26.43
TDS	27.000	27.650	28.70	29.56	30.40	31.50	34.52
Weight Ratio (Na ₂ O: siO ₂)	3.250	3.252	3.251	3.251	3.255	3.252	3.258
Sp.Gr.	1.2620	1.2735	1.2852	1.2976	1.3105	1.3202	1.3455

SODIUM SILICATE GALSS LIQUID SPECIFICATION:-

SODIUM SILICATE GALSS LIQUID SPECIFICATION	
Description	Specification Alkaline Glass
Physical State	Thick liquid
Appearance	Clear Liquid
color	Colorless, Transparent
Total Solid (%)	30 to 55
Weight Ratio (Na ₂ O: siO ₂)	1:3.2 to 1:3.9
P.H	12-13
Specific Gravity (Density)	1.30 to 1.50
Stability and reactivity	Stable at Normal pressure and temperature
Melting Point	Not applicable.
Boiling Point (C°)	101.5 - 102
Water soluble (%)	100
Freezing point (C°)	-1°
Evaporation Temperature (C°)	Not applicable
Vapor pressure	Not applicable
Vapor density	Not applicable
Molecular formula	(Na ₂ O) _x · (SiO ₂) _y · H ₂ O

REACTION: 2NaOH + SiO₂ -----Temp. + Pressure-----> (Na₂O)_x . SiO₂ + xH₂O



SHREENATH MARKETING

(Mfg. Sodium Silicate Product)
