Sodium Silicate, Alkaline

NaO·nSiO | Water glass, SiO:NaO weight ratio about 2.0–2.5, liquid and solid glass

PRODUCT OVERVIEW

Alkaline sodium silicate for corrosion control in water systems, detergents, peroxide bleaching, binders and adhesives. Causes serious eye damage: wear eye protection, keep it apart from acids and away from aluminium, zinc and glass.

TYPICAL SPECIFICATION

Characteristic	Units	Typical value	Test method
Weight ratio SiO:NaO	-	**2.0–2.5, by grade**	Calculated from titrations
NaO (liquid)	-	**About 12–15%**	Acid titration
SiO (liquid)	-	**About 29–33%**	Gravimetric / titration
Total solids (liquid)	-	**About 44–48%**	Calculated
Density at 20 °C (liquid)	-	**About 1.48–1.56 g/cm³ (47–52 °Bé)**	Hydrometer
Water-insoluble matter	-	**0.2–0.4% max**	Gravimetric
Iron (Fe)	-	**0.02–0.05% max**	ICP / colorimetric
Solid glass	-	**Ratio about 2.0–2.5; NaO about 28–33%**	Titration
Appearance	-	**Clear to slightly hazy, viscous liquid; colourless to pale green glass lumps**	Visual

SUPPLY AND PACKING

Liquid in plastic or steel drums and 1,000-litre IBCs; solid glass in woven or jumbo bags. Not dangerous goods for this ratio range, per most SDSs. FOB, CFR and CIF on request; pack sizes and loads are confirmed with each offer.

DOCUMENTATION

Every shipment includes a Certificate of Analysis. Certificate of Origin and MSDS are available on request. Destination-specific import or phytosanitary documentation is confirmed where applicable.

NOTICE

Values are typical and published for reference; they are not a certificate of analysis. Agree the specification of the offered batch, the packing and any destination requirements before ordering.