

WATER GLASS 40 % SODIUM SILICATE liquid

Sodium silicate is the most important of the soluble silicates. This material is often called “water glass” and is ordinarily supplied as a colorless, viscous water solution displaying little tack.

Synonyms: Water glass; soluble glass; silicate of soda; sodium orthosilicate; sodium silicate glass.

CAS number: 1344-09-8.

Technical data

Properties	Guarantee Value
Appearance	Viscous liquid, almost colourless
Density at 20°C	1.4 - 1.5 g/cm ³
Solids (SiO ₂ + Na ₂ O)	40 ± 2 %
SiO ₂	27 - 30 %
Na ₂ O	11 - 14 %
Molar ratio (SiO ₂ /Na ₂ O)	2.0 - 2.6
Fe	150 ppm max
Insoluble residue	0.150 % max

The above values have been determined by the measuring methods and instruments of Nova Alumina doo Zvornik.

The ratio of SiO₂ to Na₂O influences various characteristics of silicate, including its solubility, drying rates, as well as physical properties like viscosity and density. Sodium Silicate products are chosen according to their intended use.

Applications

Raw materials in various applications, such as the production of detergents, adhesives, coatings, and other chemical industry.

Packaging

We offer different types of packaging depending on your production needs:

Type of packing	Bulk (t)		Intermediate bulk container IBC (kg)	
Logistic units	Tank car	Rail tank	individual packaging (kg)	per vehicle (t)
Mass per logistic unit	25	25	1000	25

Specific type of packaging can be offered on demand. Avoid damage of package during transportation.

Logistics

In order to meet your requirements in terms of delivery, we offer different logistic solutions.

Our basic offer in terms of TRANSPORTATION is:

Type of Transportation	Road transportation	Rail transportation
Packaging	In bulk in tank car / IBC	In bulk in rail tank

Other type of delivery on demands.