02 · Aqueous solution

Bio-Derived Soluble Silicon & Potassium

Liquid Potassium Silicate is produced using Bio-Silica's own highly reactive biogenic silica, bringing soluble silicon and potassium together in a single product for agricultural use.

KEY CHARACTERISTICS

- Supplies soluble silicon that supports stronger cell walls and plant tissue development
- Provides potassium to support water regulation, enzyme activity and crop productivity
- Helps improve tolerance to drought, salinity and heat stress
- Supports stronger stems and reduced lodging, especially in silicon-responsive crops
- Can enhance the plant's natural resistance to certain pests and fungal diseases
- Suitable for fertigation and foliar programmes at the correct dilution and pH

MAIN APPLICATIONS

Agriculture & Fertilizers | Welding electrodes | Refractories | Paints & coatings | Ceramics

TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE
Appearance	Light yellow liquid
SiO_2	26 %
K_2O	12 %
Weight ratio SiO_2:K_2O	2.2
Total solids	38
Bulk density at 20 °C	1.26–1.36
pH	12.5–13
Organic matter	< 1 %
Organic carbon	< 0.5 %
Fe	80 mg/L

Product specifications and grades can be tailored to meet specific applications and customer requirements.

APPLICATION RATE

Up to 2 L per feddan for agricultural use.

PACKAGING

1 L, 5 L and 25 L plastic bottles. Other formats to customer requirement.

Bio-Silica — Egypt.
The information given is offered in good faith as a guide. It does not constitute a specification and does not release the buyer from testing the material for their own application. Safety information is given in the Safety Data Sheet.