

TECHNICAL DATA SHEET (TDS)

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Potassium Silicate 12% SiO₂

1. Identification

Product	Potassium Silicate 12% SiO ₂
Category	Micronutrients
Active Ingredient	SiO ₂ + K ₂ O SiO ₂ :12%, K ₂ O:10%
Formulation	Powder/Crystal/Granule
CAS Number	1312-76-1
Formula	K ₂ SiO ₃
Grade	Agricultural Grade
Standard	FCO / ISO 17025:2017

2. Description

Potassium Silicate 12% SiO₂ — professional-grade agricultural input.

3. Dosage & Application

Soil	5-25 kg/acre
Foliar	0.5-2 g per litre
Seed_Treatment	As per label
Application	Foliar spray, soil drench, fertigation, seed treatment as per label

4. Storage & Packaging

Shelf Life	2-3 years
Storage	Store 5-40°C
Packaging	100ml-5L (liquids) / 100g-25kg (solids) — custom available
Compatibility	Compatible with most AIs. Jar test before tank mix. Avoid strongly alkaline.

Follow all label directions. User responsible for compliance.