

TECHNICAL DATA SHEET

POTASSIUM SILICATE LIQUID

1. PRODUCT INFORMATION

Trade Name: Potassium Silicate Liquid

Chemical Identifier: K_2SiO_3

Appearance: Clear, transparent alkaline liquid

Manufacturer: Sri Varahi Chemicals

2. STORAGE & HANDLING

- Store only in tightly sealed, corrosion-resistant containers.
- Maintain storage temperature between **5°C and 25°C**.
- Protect from contamination, acids, and moisture ingress.
- Under proper storage conditions, product shelf life is **24 months** in original packaging.

3. TECHNICAL SPECIFICATIONS

S. No.	Parameter	Unit	Typical Values
1	Potassium Oxide (K_2O)	%	12.0 – 14.0
2	Silicon Dioxide (SiO_2)	%	26.0 – 28.0
3	Baume @ 30°C	-	39 – 41
4	Specific Gravity @ 30°C	g/cm^3	1.38 – 1.40
5	Viscosity @ 30°C	CPS	200 – 300
6	Weight Ratio ($SiO_2 : K_2O$)	-	2.00 – 2.10

Customized specifications can be supplied for specialized applications.

4. REGULATORY DETAILS

- | | |
|------------|----------------|
| • CAS No.: | 1312-76-1 |
| • EINECS: | Not Applicable |
| • REACH: | Not Applicable |

5. APPLICATION AREAS

Potassium Silicate Liquid manufactured by **Sri Varahi Chemicals** is used in:

- Concrete densifiers & finishing chemicals
- Polished floor treatments
- Acid-resistant cement systems
- Ceramic binders & glazing compounds
- Industrial & protective coatings
- Oilfield and drilling fluids
- Agricultural foliar products
- Specialty additives
- Welding electrode formulations

6. QUALITY STATEMENT

All batches are manufactured under controlled conditions and tested as per Sri Varahi Chemicals' internal quality standards. Consistency, stability, and customer-specific customization remain our core commitment.

☎ +91 99655 17832, +91 95857 77834 | GSTIN : 08ABXFS4718H1ZI

✉ silicate@srivarahichemicals.com | varahijaipur@gmail.com

🌐 www.srivarahichemicals.com

📍 Khasra No. 759, Behind Shree Krishna Market, Baxawala Mod, Govindpura,
Teshil Sanganer, Jaipur, Rajasthan - 302029

🏢 **Head Office** : Plot No. 3094/Block No. 24, Sector-III, Jeevan Bhima Nagar,
Anna Nagar West, Chennai - 600 101.

7. PACKAGING OPTIONS – SRI VARAHI CHEMICALS

We offer multiple packaging formats to suit different application and logistics requirements:

- **IBC Tanks (Intermediate Bulk Containers): 1000 L**
- **HDPE Drums: 220 L**
- **Flexi Tanks / ISO Tank Containers**
- **Bulk Loadings: 20–24 MT in 20-ft container**

Special packaging can be arranged upon customer request.

8. COMMERCIAL DETAILS

- **Inventory Availability:** Stocks maintained up to **150 MT** for prompt dispatch.
- **Daily Production Capacity:** **20-30 MT per day**
- **Lead Time:** Typically **2–4 weeks**, depending on agreed commercial terms and order size.
- **Payment Terms:** As mutually finalized during order confirmation.

9. HEALTH & SAFETY

- Product classified as **non-dangerous** under transport regulations.
- No hazardous classification for standard handling and movement.
- Detailed **Material Safety Data Sheet (MSDS)** provided on request for safe usage.

10. CERTIFICATIONS

Sri Varahi Chemicals operates under **ISO 9001:2015 Quality Management Systems**, ensuring consistent product quality and reliability.