

SAFETY DATA SHEET (SDS/MSDS) — GHS 16

Sections

Green Vision Technical Services
Nashik, Maharashtra 422206, India
CIB Registered | +91-9890550271

Potassium Silicate 12% SiO₂

SECTION 1: Identification

Product	Potassium Silicate 12% SiO ₂
Manufacturer	Green Vision Technical Services
Address	Plot 6, Survey 599/2, Airport Road, Janori, Dindori, Nashik 422206 MH India
Emergency	+91-9890550271 (24h)
Intended Use	Agricultural input
CAS Number	1312-76-1

SECTION 2: Hazard Identification

GHS Classification	GHS07 / GHS09
Signal Word	Warning
Hazard Statements	May cause skin/eye irritation Harmful to aquatic life
Precautionary Statements	Keep out of reach of children. Read label before use. Wear PPE.

SECTION 3: Composition / Ingredients

Chemical Name	SiO ₂ + K ₂ O SiO ₂ :12%, K ₂ O:10%
CAS No.	1312-76-1
Formula	K ₂ SiO ₃
Composition	Potassium Silicate 12% SiO ₂ provides readily available SiO ₂ + K ₂ O for soil and foliar application. FCO compliant.

SECTION 4: First Aid Measures

Eye Contact	Rinse with water 15+ min. Seek medical attention.
Skin Contact	Wash soap+water. Remove clothes. Seek help if irritation.
Inhalation	Move to fresh air. O2 if needed. Seek medical help.
Ingestion	Do NOT induce vomiting. Rinse mouth. Seek emergency.

SECTION 5: Fire Fighting

Extinguishing Media	Water spray, foam, dry chemical, CO2
Special Hazards	May produce NOx, CO, CO2 when heated
Protective Equipment	SCBA and full protective gear required

SECTION 6: Accidental Release

Personal Precautions	Full PPE. Avoid contact.
Environmental Precautions	Prevent waterway/sewer entry.
Cleanup	Absorb with sand/earth. Collect in sealed containers.

SECTION 7: Handling & Storage

Handling	Avoid eye/skin/clothing contact. Ventilated area. No eating/drinking.
Storage	Cool, dry, ventilated. Original container. Away from food/feed/water. Max 35°C.
Incompatibles	Strong oxidizers, alkaline substances. See label.

SECTION 8: Exposure Controls / PPE

Respiratory	Dust mask / respirator during handling
Eye/Face	Safety goggles
Skin	Nitrile gloves, long sleeves, closed shoes
General Hygiene	Do not eat/drink/smoke while handling. Wash thoroughly after use.

SECTIONS 9–16: Additional Information

9. Physical/Chemical Properties: See Technical Data Sheet (TDS) for full specifications

10. Stability & Reactivity: Stable under normal storage. Avoid heat, moisture and incompatible materials.

11. Toxicological Information: Low acute toxicity. May cause eye/skin irritation. No known carcinogenicity.

12. Ecological Information: Avoid release to environment. May be harmful to aquatic organisms at high concentrations.

13. Disposal Considerations: Dispose per local/national regulations. Do not pour into drains or water bodies.

14. Transport Information: Classify per IATA/IMDG/ADR. Provide UN number as per hazard classification.

15. Regulatory Information: CIB registered product. Comply with Insecticides Act 1968 and applicable local regulations.

16. Other Information: Prepared by: QC Department, Green Vision Technical Services. Issue: 2024.

This SDS is prepared per GHS standards. Information believed accurate. Users must verify suitability. Not a substitute for professional advice.