

1:IDENTIFICATION

Chemical Name	Orthosilicic Acid	Trade Name	SILIKON K+
Synonyms	Silicate	Molecular Formula	Si(OH) ₄
Uses	Fertilizer		
Manufacturer/ Supplier	Ulink AgriTech Pvt. Ltd. Office Nos. 001 And 002, Ground Floor Wing "A" And Nos. 003 And 004 Ground Floor Wing "B", Nyati Tech Park, Wadgaon Sheri, Pune - 411014, Maharashtra		
Emergency Contact	9503095030	E-mail	info@agrostar.in

2:COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Name	Percent or Content (w/w)
Orthosilicic Acid	18.00%
Water soluble Potassium	3.00%

Silicate based fertilizer with calcium ,boron.

3: HAZARD IDENTIFICATION

Not considered a hazardous product. Product may feed combustion

Potential Health Effects: None

Signs and Symptoms of Exposure: Irritation of skin and eyes and respiratory tract.

4:FIRST AID MEASURES

General: Have the product container, label or Safety Data Sheet while seeking medical attention, a poison control center or physician, or going for treatment.

Inhalation: Move patients to fresh air and keep warm and at rest in a position comfortable for breathing. Immediately seek medical attention if symptoms are severe or persist.

Ingestion: Rinse mouth with water thoroughly. Do not induce vomiting unless told by medical personnel. Do not give anything by mouth to an unconscious person. . Seek medical attention immediately and show this container or label.

Skin Contact: In case of contact with product, wash immediately skin area with plenty of water and soap. Remove and isolate contaminated clothing and shoes. Seek medical attention if irritation persists.

Eye Contact: Rinse immediately with plenty of water for several minutes. After 5 minutes remove contact lenses if present and continue rinsing with plenty of water. Continue to rinse with eyelid wide open for at least 15-20 minutes. Seek medical attention if irritation develops.

Note to Physician: No specific Antidote. Treat symptomatically.

5:FIRE FIGHTING MEASURES

Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Specific Hazards: In case of fire or explosion, do not breathe fumes. Nitrogen and sulfur oxides may develop.

Hazardous Thermal (de)composition: In case of fire or explosion, nitrogen and sulfur oxides may develop.

Special Procedures: Do not discharge extinguishing water into the drain or water bodies. If risk of water pollution occurs, notify appropriate authorities. Self-contained breathing apparatus and full protective gear. Dike area to prevent run off and contamination of water sources. Avoid breathing vapors keep upwind. Use water spray to cool unopened containers.

Protection of Fire Fighters: Protection of fire fighters: Do not breathe a fumes. Wear a self contained breathing apparatus and protective clothes. Fight fire from protected location or maximum possible distance.

6:ACCIDENTAL RELEASE MEASURES

Personal Precautions: Ventilate spillage area. Avoid breathing fume. Use personal protective equipment including suitable protective clothing, gloves and eye or face Protection. Evacuate personnel to safe areas.

Environmental Precaution: Do not allow runoff to enter drains and public waters. Notify the authorities if product enters.

Methods for Cleaning-up: Sweep spilled product and collect for reuse in the container. Clean contaminated floors and objects thoroughly with water and detergents. Soak up wash water with sand or absorbent material. Sweep up and dispose. Do not contaminate drain.

7:HANDLING & STORAGE

Handling: Do not smoke, drink, or eat during handling. Wash hands and other exposed areas with soap and water before and after handling the product. Wear protective equipments to avoid contact and/or inhalation with the product. Remove contaminated clothing and shoes. Wash clothing and equipment before reuse. Good personal hygiene procedures must be practiced.

Specific Conditions: Good local ventilation.

Storage: Store in dry, cool, well-ventilated area and away from direct sunlight. Keep in original container and tightly closed when not in use. Keep product away from seeds, fertilizer, foods and animal feeds. Avoid extremes of temperatures.

8:EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures: Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.

General Protection: Avoid contact with eyes and skin. While handling the product wear cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves and face shield. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

Personal Protection: Follow all precautions and instructions on the label. In all other cases the following recommendations would apply.

Respiratory Protection: Generally not required, however if use condition s generated dust and adequate ventilation is not available, use NIOSH/MSHA approved organic vapor respirator with dust, mist and fume filters to reduce potential for inhalation exposure.

Skin Protection: Wear suitable protective clothing, including long sleeved shirt, waterproof long pants, shoes, gloves, or cover all to avoid skin contact. Any clothing or other absorbent material which has been drenched or heavily contaminated must be discarded.

Hand Protection: Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC) or Viton.

Eye Protection: Safety goggles, chemical splash goggles or face shield for eyes Protection should be used. Safety showers and eyewash should be easily available.

Thermal Hazard: Wear appropriate thermal protective clothing, when necessary.

Others: Wash clothing before reusing.

9: PHYSICAL/CHEMICAL PROPERTIES

Appearance: Viscous Liquid	Physical State: Liquid	Boiling Point [°C]: 110 - 113	Apparent Density [g/cm³]: 1.271±0.05
Flash Point [°C]: 115 -118	pH (1%): 8 - 10	Odour: Characteristic	Oxidising Properties : I Not oxidising
Colour: White		Solubility in Water: Miscible	Self Inflammability : Not self inflammable.

10: STABILITY & REACTIVITY

Stability: Stable under normal circumstances.	Conditions to Avoid: Extreme Temperature, Heat	Material to Avoid: None
Hazardous Decomp. Products: None	Hazardous Reactions: None	

11: TOXICOLOGICAL INFORMATION

Eye Effects: No data found	Inhalation Effects: No data found	Ingestion Effects: No data found	Neurotoxicity: No data found
Skin Effects: No data found	Sensitization: No data found	Reproductive Effects: No data found	Target Organs: No data found
Dermal Toxicity: No data found	Carcinogenicity/Mutagenicity: Not listed as a carcinogen by NTP, IARC or OSHA. No information found on mutagenicity.		

12: ECOLOGICAL INFORMATION

No experimental ecological data is available for this product.

13: DISPOSAL CONSIDERATION

Waste-disposal Procedures: Dispose of this product only according to the label. Do not contaminate drains, streams, rivers or waterways with the chemical or used container.

Contaminated Packaging: Ensure all product has been emptied from containers. Dispose of emptied container in accordance with applicable Federal, state, and local laws and regulations.

14: TRANSPORT INFORMATION

UN No. NA	Proper Shipping Name: -	DOT Label: Not Applicable
Land Transport (ADR/RID): NA	Air Transport (IATA/ICAO): NA	Sea Transport (IMO/IMDG): NA

15: REGULATORY INFORMATION

Product related hazard informations: Observe the general safety regulations when handling chemicals

16: OTHER INFORMATION

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