

# Safety Data Sheet

According to 1907/2006/EC, article 31 (REACH), according to Directive 67/548/EEC (DSD)  
and according to 1272/2008/EC (CLP)

## 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name: KALIX Silica  
Product Type: Liquid Fertilizer  
Recommended Use: Plant Nutrient  
Chemical Name: Potassium Silicate  
Formula: Proprietary  
Supplier: KALIX  
1904 United Way, Suite #106  
Medford, OR 97504

Emergency Telephone: +1.541.973.2244 (office hours only)

## 2 HAZARDS IDENTIFICATION

Classification: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)  
Hazards Statements: H3119 – Causes eye irritation  
Pictogram: None/signal (see section 15)  
Word: N/A

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

Contains: Potassium Silicate  
CAS-No: 1312-76-1

### DISCLAIMER

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#### 4 FIRST AID MEASURES

Emergency and First Aid Procedure:

Inhalation:	Supply fresh air; consult doctor
Skin:	In case of skin contact, flush with water, wash with soap and water. If irritation persists, contact physician.
Eyes:	In case of eye contact, immediately flush with water. If irritation persists, contact physician.
Ingestion:	Contact poison control center or doctor.

#### 5 FIRE FIGHTING MEASURES

Flash Point, °F:	No specific data
Auto Ignition Temperature, °F:	None known
Flammable limits in air, % by volume:	None known

##### Fire Extinguishing materials

N-P-K fertilizer solutions are non-flammable. If involved in a fire, use:

Special fire fighting procedure:	N/A
Unusual fire and explosion hazards:	None known

#### 6 ACCIDENTAL RELEASE MEASURES

Precautions if Material is Spilled or Released:	If possible stop leak, without risk. Move containers from spill area. Prevent entry into sewers, watercourses, or confined areas. Contain and collect spillage with non-combustible, absorbent material and place in container or disposal according to local regulations
Waste Disposal Methods:	Dispose according to federal, state and local regulations

#### 7 HANDLING AND STORE

Storage and Handling:	Store in tightly sealed containers in cool dry area, away from heat, flame and sunlight. Avoid contact with skin and eyes.
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Special Precautions: Do not ingest. Use appropriate personal protective equipment (see Section 8). Avoid breathing vapor or mist. Avoid oxidizing agents and strong acids

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupation Exposure Limits:	None known
Ventilation and engineering controls:	General ventilation recommended to reduce exposure to airborne contaminants
Respiratory protection:	Should not be needed under normal conditions
Eye protection:	Goggles or safety glasses recommended
Gloves:	Chemical resistant gloves recommended
Other clothing and equipment:	Long sleeve shirt, socks and shoes
<b>Precautionary statements:</b>	
Other handling and storage requirements:	Wash hands, forearms and face thoroughly after handling chemical products, before eating , smoking and using laboratory.
Protective measures during maintenance of contaminated equipment:	Remove potential contaminated clothing. Wash contaminated clothing before reusing.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point (closed cup method):	N/A
Specific Gravity:	1.04-1.08
Vapor Pressure:	N/A
Vapor Density:	N/A
Boiling Point:	N/A
Melting Point:	N/A
Physical State:	Liquid
Appearance:	Semi-clear odorless

## 10 STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage, use and transport
Hazardous Polymerization:	None known
Materials to Avoid:	None known
Conditions to Avoid:	High temperature sources, or open flames, which might induce thermal composition
Hazardous Decomposition Products:	None known under normal conditions

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## 11 TOXICOLOGICAL INFORMATION

### SYMPTOMS OF OVEREXPOSURE:

Inhaled:	May cause respiratory tract irritation
Contact with skin or eyes:	Eye irritation. May irritate skin.
Absorbed through skin:	N/A
Swallowed:	Maybe harmful if swallowed.

### HEALTH EFFECTS OR RISKS FROM EXPOSURE:

Acute:	No components are considered toxic
Chronic:	No data available
Reproductive:	No data available

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

POTENTIAL OR SUSPECTED CANCER AGENT	No
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## 12 ECOLOGICAL INFORMATION

Occupational Exposure Limit:	None known
Threshold Limit Value:	Not established
OSHA Permissible Exposure Limit:	Not established

## 13 DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Dispose of all wastes in accordance with Federal, State and Local regulations.

## 14 TRANSPORT INFORMATION

<b>US DOT:</b>	Not regulated as hazardous material
<b>IMO:</b>	Not regulated as hazardous material
<b>IATA:</b>	Not regulated as hazardous material
<b>RID/ADR:</b>	Not regulated as hazardous material
<b>Canadian TDG:</b>	Not regulated as hazardous material

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## 15 REGULATORY INFORMATION

CONTAINS: Potassium Silicate  
TSCA INVENTORY LIST: All components are listed or exempted  
US EPA CERCLA RQ: No products were found

### **SARA Title III Section Extremely Hazardous Substance:**

Section 304 EHS RQ: No products were found  
Section 302 TPQ: No products were found

### **SARA Title III Section 311-312:**

Hazard Category: N/A  
US EPA EPCRA Section 313 Listed: No products were found  
Threshold Quantity (Processed or Manufactured): N/A  
Canadian WHIMIS Classification: Not regulated  
California Prop 65: This product doesn't contain any chemicals known to the state of California to cause cancer, birth, or any other reproductive defects

SAFETY PHRASES:	S1/2	Keep out of the reach of children
	S17	Keep away from combustible material
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S28	After contact with skin, wash immediately with plenty of water
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection
	S45	In case of accident or if you feel unwell seek medical advice Immediately (show the label where possible)

## 16 OTHER INFORMATION

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REVISION DATE:

8/18/2022

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