



## SECTION 1: IDENTIFICATION

|                                       |   |
|---------------------------------------|---|
| <b>PRODUCT IDENTIFIER:</b>            | <b>Balance</b>  |
| <b>OTHER MEANS OF IDENTIFICATION:</b> | Potassium silicate in aqueous solution  |
| <b>RECOMMENDED USE:</b>               |   |
| <b>RESTRICTIONS ON USE:</b>           | None Known  |
| <b>SUPPLIER IDENTIFIER:</b>           | Athena Ag, Inc.,<br>4626 Lenox Avenue, Jacksonville, FL 32205<br>Phone: 818.333.1818;<br>Email: compliance@athenaag.com |
| <b>EMERGENCY PHONE NUMBER:</b>        | 1.801.629.0667  |

## SECTION 2: HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

|                           |   |
|---------------------------|---|
| <b>CLASSIFICATION:</b>    | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
| <b>LABEL ELEMENTS:</b>    | None  |
| <b>SIGNAL WORD:</b>       | None  |
| <b>HAZARD STATEMENTS:</b> | H3119 - Causes eye irritation   |

**PICTOGRAM: NONE /  
SIGNAL WORD: N/A:** (See Section 15)

**PRECAUTIONARY STATEMENTS  
GENERAL:** P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P103: Read label before use.

**PREVENTION:** P260: Do not breathe dust / vapor/ spray  
P264: Wash thoroughly  
P280: Wear eye protection, gloves

**RESPONSE:** P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 - If eye irritation persists: Get medical attention.

**STORAGE:** Not applicable

## SAFETY DATA SHEET

**DISPOSAL:**

P501: Dispose of contents/ container in accordance with local/ regional/ national/ international regulations.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENT         | CAS NUMBER | PROPORTION IN FINAL PRODUCT |
|--------------------|------------|-----------------------------|
| Potassium Silicate | 1312-76-1  | Proprietary                 |

### SECTION 4: FIRST AID MEASURES

**FOLLOWING INHALATION:**

Remove to fresh air and keep comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Maintain an open airway. Get medical attention if symptoms occur.

**FOLLOWING SKIN CONTACT:**

Flush contaminated skin with plenty of water. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**FOLLOWING EYE CONTACT:**

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

**FOLLOWING INGESTION:**

Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

### SECTION 5: FIRE FIGHTING MEASURES

**HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:**

No specific data.

**SPECIFIC HAZARDS ARISING FROM THE PRODUCT:**

None known.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:**

No special measures for protective actions required. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.



## SECTION 6: ACCIDENTAL RELEASE MEASURES

### **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:**

Use standard safe work procedures, including the use of protective clothing, gloves, eye and respiratory protection (see Section 8). Keep out of reach of children and animals. If exposed concerned, or feeling unwell contact a healthcare provider. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

### **ENVIRONMENTAL PRECAUTIONS:**

Do not allow to contaminate streams, ponds, lakes or other water sources.

### **SAFE STORAGE CONDITIONS, INCLUDING ANY INCOMPATIBILITIES:**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### **METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN UP:**

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, watercourses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## SECTION 7: HANDLING AND STORAGE

### **PRECAUTIONS FOR SAFE HANDLING:**

Use standard safe work procedures, including the use of protective clothing, gloves, eye and respiratory protection (see Section 8). Wash thoroughly after use. Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**CONDITIONS FOR SAFE STORAGE:**

Keep out of reach of children. Store locked up in original container, in a cool, dry place out of direct sunlight. Keep container closed when not in use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**MATERIALS TO AVOID:**

Avoid strong acids and oxidizing agents.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****OCCUPATION EXPOSURE LIMITS**

None known

**APPROPRIATE ENGINEERING CONTROLS**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**INDIVIDUAL PROTECTION MEASURES****EYE/FACE PROTECTION:**

Protective eye.

**SKIN PROTECTION:**

Long-sleeved shirt, socks and shoes.  
Chemical-resistant, impervious gloves.

**RESPIRATORY PROTECTION:**

Should not be needed under normal conditions.  
Use with adequate ventilation. NIOSH-approved respirator when in contact with dust, mists or vapor.

**WORK PRACTICES:**

Use standard safe work procedures. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

|   |               |
|---|---------------|
| <b>APPEARANCE:</b>                          | Semi-clear    |
| <b>PHYSICAL STATE:</b>                      | Liquid        |
| <b>ODOR:</b>                                | Odorless      |
| <b>ODOR THRESHOLD:</b>                      | Not available |
| <b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b> | 1.04-1.08     |
| <b>RELATIVE DENSITY:</b>                    | 1.04-1.08     |
| <b>pH:</b>                                  | 11-12         |
| <b>MELTING/FREEZING POINT:</b>              | Not available |

## SAFETY DATA SHEET



|  |                |
|--|----------------|
| <b>INITIAL BOIL POINT/RANGE:</b>                         | Not available  |
| <b>FLASH POINT:</b>                                      | Not available  |
| <b>EVAPORATION RATE:</b>                                 | Not available  |
| <b>FLAMMABILITY (SOLID, GAS):</b>                        | Not available  |
| <b>UPPER/LOWER FLAMMABILITY OR EXPOSURE LIMITS:</b>      | Not available  |
| <b>VAPOR PRESSURE:</b>                                   | Not available  |
| <b>VAPOR DENSITY (AIR=1):</b>                            | Not available  |
| <b>SOLUBILITY:</b>                                       | Soluble        |
| <b>PARTITION COEFFICIENT, N-OCTANOL/WATER (LOG/KOW):</b> | Not available  |
| <b>AUTO-IGNITION TEMPERATURE:</b>                        | Not applicable |
| <b>DECOMPOSITION TEMPERATURE:</b>                        | Not available  |
| <b>VISCOSITY:</b>  | Not available  |

### SECTION 10: STABILITY AND REACTIVITY

#### REACTIVITY & CHEMICAL STABILITY:

This product is stable and non-reactive under normal conditions of storage, use and transport.

#### POSSIBILITY OF HAZARDOUS REACTIONS:

None known.

#### CONDITIONS TO AVOID:

None known.

#### INCOMPATIBLE MATERIALS:

None known

#### HAZARDOUS DECOMPOSITION PRODUCTS:

Under normal conditions hazardous decomposition products should not be produced.



### SECTION 11: TOXICOLOGICAL INFORMATION

**ACUTE TOXICOLOGICAL DATA:** No components are considered toxic.

**LIKELY ROUTES OF EXPOSURE:** Dermal, Ingestion, Inhalation.

**INHALATION:** May cause respiratory tract irritation.  
**SKIN CONTACT:** No known significant effects or critical hazards.  
**EYE CONTACT:** Adverse symptoms may include the following:  
pain or irritation, watering, redness.  
**INGESTION:** May be harmful if swallowed.



## SECTION 12: ECOLOGICAL INFORMATION

|                                       |                |
|---------------------------------------|----------------|
| <b>ECO TOXICITY:</b>                  | Non-toxic.     |
| <b>PERSISTENCE AND DEGRADABILITY:</b> | Not available. |
| <b>BIOACCUMULATIVE POTENTIAL:</b>     | Not available. |
| <b>MOBILITY IN SOIL:</b>              | Not available. |
| <b>OTHER ADVERSE EFFECTS:</b>         | None known.    |

## SECTION 13: DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS:

Rinse packaging and dispose of packaging and product in accordance with local, state, and federal regulations. The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Rinse empty containers with clean water and treat the effluent the same as waste. Clean and empty containers are to be recycled or disposed of in accordance with local regulations.

## SECTION 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 |

## SECTION 15: REGULATORY INFORMATION

### SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

#### CANADA - DOMESTIC SUBSTANCES LIST (DSL) / NON-DOMESTIC SUBSTANCES LIST (NDSL):

All ingredients are either listed on the DSL/NDSL or exempt.

#### USA - TOXIC SUBSTANCES CONTROL ACT (TSCA):

All ingredients are either listed on the TSCA Inventory or exempt.

**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 SEC. 311/312:**

|  |                        |
|--|------------------------|
| Hazard category:                                   | NA                     |
| US. EPA EPCRA Section 313 listed:                  | No products were found |
| Threshold quantity<br>(processed or manufactured): | N/A                    |
| Threshold quantity<br>(otherwise used):            | N/A                    |
| Canadian WHIMIS Classification:                    | Not regulated          |

**CALIFORNIA PROP 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**SECTION 16: OTHER INFORMATION**

**DATE OF LAST REVISION:** June 2022

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