



Safety Data Sheet

Keylamax™ Zinc

1. Identification:

Name:	Keylamax™ Zinc
Chemical Description:	Liquid amino acid zinc chelated micronutrient.
Recommended Use:	Foliar applications on commercial agricultural crops. Please follow appropriate mixing instructions.
Producer/Importer	Mil Agro, Inc.
Address:	875 W. 300 N., Hyrum, UT 84319 USA
Phone:	+1 (435) 994-2476
Contact Person:	Todd Edwards

2. Hazard Identification:

Physical Hazards:	Not classified.
Environmental Hazards:	Hazardous to the aquatic environment
OSHA defined hazards:	Aquatic Chronic 3, H412
Hazard(s) not otherwise classified (HNOC):	None known.
Supplemental information:	1% of mixture of ingredient(s) of unknown acute and environmental toxicity.

3. Composition of Product

Proprietary Organic acids, chelating agents and other non-toxic excipients.

Zinc amino acid chelate: Classification: Aquatic Chronic 3, H412 Concentration Range: 100%

4. First Aid Measures

General:	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. In the case of accident or if
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	you feel unwell, seek medical advice immediately (show the label where possible).
Eye Contact:	Immediately flush eyes with plenty of water for at least 10 minutes. Continue rinsing. Remove contact lenses, if present and easy to do. If eye irritation persists: Get medical advice/attention.
Skin Contact:	Wash with mild soap and water. Seek medical attention if discomfort occurs.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Ingestion:	Rinse mouth. If swallowed, call a POISON CENTER or doctor/physician if you feel unwell.
Over Exposure:	Not applicable.

5. Fire-Fighting Measures

Suitable extinguishing media:	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media:	None known
Specific hazards arising from the chemical:	None known
Fire-fighting equipment/instructions:	Move containers from fire area if you can do so without risk.
Specific methods:	Move containers from fire area if you can do so without risk.
General fire hazards:	No unusual fire or explosion hazards noted. Keep away from sources of ignition, sparks, and open flames.

6. Accidental Release Measures

Safety measurements to protect persons:	Wear appropriate protective clothing.
Proper methods for damage limitation and cleanup:	Small Spills: Sweep up spillage and wash affected area. Large Spill: Vacuum or sweep up material and place in a disposal container. Dispose of in a manner according to local regulations.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

7. Handling and Storage

Precautions for safe handling:	Wear protective clothing and wash areas of contact after handling.
Storage:	Store in dry, cool place and out of direct sunlight. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in original tightly closed container. Store in a well-ventilated place.

8. Exposure Control and Personal Protection

Occupational exposure limits:	No exposure limits noted for ingredients.
Biological limit values:	No biological exposure limits noted for the ingredients.
Appropriate engineering controls:	Ventilation should be sufficient to effectively remove and prevent buildup of fumes that may be generated during handling or thermal processing. Provide eyewash station.
Eye/Face protection:	Use tight fitting goggles.
Hand Protection:	Gloves should be worn when handling.
Other:	Wear suitable protective clothing.
Respiratory protection:	Use a NIOSH/MSHA approved respirator if there is a risk of exposure to fume at levels exceeding the exposure limits.
General hygiene considerations:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and Chemical Properties

Appearance:	Aqueous Solution
Physical State:	Liquid
Form:	Liquid
Color:	Brown
Odor:	None
Solubility:	100% water soluble
Salt out/Crystallization temp/ Freezing Point:	32 °F (0 °C)
Expl. Limit LEL-UEL. %-%:	Not determined
Vapor Pressure:	Not determined
Decomposition temp.:	Not determined
pH value:	3.2-4
pH in aqueous solution:	4.5-6.5 (1% Solution)
Flash point:	Not determined
Molecular weight:	Not determined
Ignition temp:	Not determined
Rel. Vapor Density (air=1):	Not determined
Air Reactive:	Not applicable
Percent Volatile (by Volume):	Not applicable
Bulk Density:	1.28-1.32 g/cm ³
Solubility in Water:	100% Soluble
Saturation Conc.:	Not determined
Rel. Density Sat. Air (Air=1):	Not determined

Boiling Point/Range:	Not determined
Smelling Limits lo-hi:	Not determined
Rel. Evap. Velocity:	Not determined
Water Reactive:	Not applicable
Shelf Life:	<2 Years

10. Stability and Reactivity

Reactivity:	Product is stable.
Chemical Stability:	Product is stable. Oxidants and acids may cause degradation.
Conditions to avoid:	Contact with incompatible materials. Heat or freezing.
Hazardous decomposition products:	Not applicable.
Hazardous Polymerization:	Will not occur.

11. Toxicological Information

Acute oral toxicity:	Not observed
Acute ocular toxicity:	May cause eye irritation.
Acute dermal toxicity:	Not toxic dermally. No treatment-related effects were observed.
Acute dermal irritation:	No irritation or corrosive effects were observed.
Inhalation Toxicity:	None of the materials used in this product contain chemicals on the IARC list or NTP list.
Skin corrosion/irritation:	Prolonged skin contact may cause temporary irritation.
Chronic effects from short- and long-term exposure:	Not observed.
Carcinogenic effects:	Not a carcinogen.
Acute Toxicity:	Not observed

12. Ecological Information

Breakdown:	Biodegradable. Product presents minimal environmental impact.
Ecotoxicity:	Quantitative data on the ecological effects of this product are not available.

13. Disposal Considerations

Disposal instructions:	Chemical residues are classified as special waste and as such are covered by regulations which vary in accordance to location. Contact your local waste disposal authority for advice or pass to a chemical disposal company.
Waste from residues/unused Products:	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues.

14. Transport Information

Non-hazardous material according to transport regulation. No special precautions are necessary.

15. Regulatory Information

This product is not regulated by any known government agency as hazardous.

16. Other Information

Issue Date: 5/15/2017

Disclaimer: The information contained herein is furnished without warranty of any kind. Every endeavor has been made to ensure that the information contained in this SDS leaflet is reliable, but we cannot accept liability for any loss, injury or damage, which may result from its use or misuse. Data given in this SDS is solely for the guidance in safe handling and use of the product by customers; they do not form part of any specification. If any difficulties arise, we shall be glad to discuss them. Customers are encouraged to conduct their own tests following discussion with our technical department. The above information is based on experience, but it is always advisable for customers to satisfy themselves, by consultation with our technical department and small-scale testing if necessary, that product, which they have selected, is suitable for their purpose under their conditions of use.