

Keylamax[®] Magnesium Organic

Safety Data Sheet



Version Date: February 2020

Version: 002

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION.

Product Identification.	: Keylamax[®] Magnesium Organic.
Recommended Use.	: Fertilizer.
Use Restrictions.	: None.
Producer Information.	: MIL AGRO, INC. 875 W HWY 101 Hyrum, UT 84319 – USA. Telephone: +1 (435) 994-2476
Producer Website and E-mail.	: www.mil-agro-inc.com ; tedwards@mil-agro-inc.com

SECTION 2: HAZARD IDENTIFICATION.

Physical Hazards.	: Not classified.
Health Hazards.	: Serious eye damage/eye irritation: Category 2A.
Environmental Hazards.	: Hazardous to the aquatic environment, acute hazard:
OSHA Defined Hazards.	Category 2 : Not Classified
Label Elements. Pictogram	
Signal Word	: WARNING.
Danger Criteria	: H319 (Category 2A), H335 (Category 3).
Caution Criteria	: P102, P103, P201, P202, P260, P264, P270, P271, P273, P280, P304+P340, P304+P312, P305+P351+P338, P310, P314, P391, P403+P233, P405, P501
Safety Symbol.	: 
Specific Classification.	: Serious ocular irritant.
Description of Dangers.	H319: Causes serious ocular irritation (Category 2A). H335: Can irritate respiratory ways (Category 3).

Description of specific dangers.	P261: Avoid inhaling powder. P264: Wash well after handling product. P270: Do not eat, drink, or smoke while using this product. P271: Only use in open places that are well ventilated. P280: Use protective clothing/gloves/face masks/ and goggles. P305+351+338: If entered into eyes, wash with water for several minutes. Remove contact lenses if present and easy to do so. Continue to wash. P337+P313: If ocular irritation persists, seek medical attention.
Hazard(s) not otherwise classified (HNOC)	: None known.

SECTION 3: COMPOSITION OF PRODUCT.

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

	Component 1	Component 2	Component 3
Common or generic name.	Magnesium Amino acid complex		-
Range of concentration.	100%	-	-
CAS number.	-	-	-

SECTION 4: FIRST AID MEASURES.

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.
Skin Contact.	: Wash with mild soap and water. Seek medical attention if discomfort occurs.
Eye Contact.	: Immediately flush eyes with plenty of water for at least 15 minutes. Continue rinsing. Remove contact lenses, if present and easy to do. If eye irritation persists: Get medical advice/attention.
Ingestion.	: Rinse mouth. If swallowed, call a POISON CENTER or doctor/physician if you feel unwell.
Over Exposure.	: Not applicable.
Most important symptoms/ effects.	: Irritation of eyes and mucous membranes.
Other protection and general information.	: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Indication of immediate medical attention and special treatment needed.	: Provide general supportive measures and treat symptomatically. Keep victim warm. In case of shortness of

breath, give oxygen. Keep victim under observation.
Symptoms may be delayed.

SECTION 5: FIRE-FIGHTING MEASURES.

Suitable extinguishing media	: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	: Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	: During fire, gases hazardous to health may be formed.
Specific direct dangers.	: In case of a fire, cool tanks with water fog. Cool containers exposed to flames with water well after fire has been put out.
General fire hazards.	: No unusual fire or explosion hazards noted. Keep away from sources of ignition, sparks, and open flames.
Fire-fighting instruction.	: Combat the fire from maximum distance. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

Safety measurements to protect persons	: Gloves and eye protection should be worn when handling. Keep people away from and upwind of spill/leak. Keep out of low areas. Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Emergency Procedure.	: Evacuate the zone and maintain at a distance those who do not have protective gear.
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.
Proper methods for damage limitation and cleanup.	: Spills may be easily cleaned by washing spill with copious amount of water. Avoid loose product on floor as product may be slippery. Gloves and eye protection should be worn. Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

SECTION 7: HANDLING AND STORAGE.

Manipulation.

Precautions for safe handling.	: Do not taste or swallow. Avoid breathing mist or vapor. Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. When using, do not eat, drink or smoke. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains. Use personal protective equipment as specified in section 8.
Operating.	: Not flammable under normal conditions. Use adequate ventilation.
Other precautions.	: Keep out of reach of people and animals.
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.
Incompatible substances and mixes.	: Oxidant and acid agents.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION.

Occupational exposure limits.	: No exposure limits noted for ingredients.
Personal protection.	
Respiratory protection.	: Use a NIOSH/MSHA approved respirator if there is a risk of exposure to fume at levels exceeding the exposure limits.
Hand Protection	: Gloves should be worn when handling.
Eye/Face protection.	: Use tight fitting goggles
Skin and body protection.	: Wear suitable protective clothing
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.
General hygiene consideration.	: 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

Appearance.	: Powder.
Physical State.	: Powder.
Color.	: Creme
Odor.	: None.
pH.	: 5.8-6.2. (1% Solution)
Melting Point.	: 350-1420 °F (175-770 °C)
Expl. Limit LEL-UEL. %-%	: Not determined.
Vapor Pressure	: Not applicable.
Decomposition temp	: Not determined.
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.	: Not applicable.
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:	: <3 Years

SECTION 10: STABILITY AND REACTIVITY.

Chemical Stability.	: Product is stable under the conditions explained in handling and storage.
Reactivity.	: Product is stable.
Conditions to avoid.	: Contact with incompatible materials. Heat, freezing and humidity.
Incompatible materials.	: Oxidants and acids may cause degradation.
Hazardous Polymerization.	: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION.

Acute oral toxicity.	: Harmful if swallowed.
Acute ocular toxicity.	: Causes serious eye irritation.
Acute dermal toxicity.	: Not toxic dermally. No treatment-related effects were observed.
Inhalation toxicity.	: May cause irritation to the respiratory system. May cause damage to organs by inhalation.
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.

SECTION 12: ECOLOGICAL INFORMATION.

Breakdown.	: Biodegradable. Product presents minimal environmental impact.
Ecotoxicity.	: Plant nutritional supplement and growth stimulant, high concentrations may cause burn of plants. Toxic to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS.

Disposal instructions. : Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. Product must be disposed of according to federal, state or local procedures regarding fertilizers.

Waste from residues/unused products. : Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated Packaging. : Empty containers should be taken to an approved waste handling site for recycling or disposal.
Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14: TRANSPORT INFORMATION.

	Mode of Transport		
	Land	Sea	Air
Regulations.	None	None	None
Official transport designation.	-	-	-
Containment group.	-	-	-
Environmental dangers.	-	-	-
Special Precautions.	-	-	-

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

SECTION 15: REGULATORY INFORMATION.

US federal regulations. : All components of this material are either listed or exempt from listing in this category.

International Regulations. : Not classified for ADR, RID, IATA, IMDG, OACI.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) : Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4) : Not Listed.

SARA 304 Emergency release notification : Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) : Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA) : Hazard Categories
Immediate Hazard- Yes

	Delayed Hazard- No
	Fire Hazard- No
	Pressure Hazard- No
	Reactivity Hazard- No
SARA 302 Extremely hazardous substance	: Not Listed : No
SARA 311/312 Hazardous chemical.	
Other federal regulations	
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	:Not regulated
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	:Not regulated
US State regulations	
US California Proposition 65	: WARNING- This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

SECTION 16: OTHER INFORMATION.

Changes Control.	: 002
Issue Date:	: February 2020
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.