

Keylamax® Iron

Safety Data Sheet

Version Date: February 2020

Version: 001

SECTION 1: IDENTIFICATION

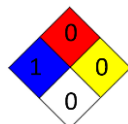
Name	: Keylamax® Iron
Recommended Use	: Fertilizer
Use Restrictions	: None
Information of Producer	: MIL AGRO, INC. 875 W HWY 101 Hyrum, UT 84319 – USA. Telephone: +1 (435) 994-2476
Contact Email	: www.mil-agro-inc.com ; info@mil-agro-inc.com

SECTION 2: HAZARD IDENTIFICATION

This is not a dangerous substance

Physical Hazards	: Not classified
Health Hazards	: Acute Toxicity, Oral: Category 4. Serious eye damage/eye irritation: Category 2A. Specific target organ toxicity, single exposure: Category 3 respiratory tract irritation.
Environmental Hazards	: Hazardous to the aquatic environment, acute hazard: Category 2
Label Elements	: N/A
Pictogram	: N/A
Signal Word	: N/A
Hazard Statement	: Harmful if swallowed. Causes serious eye irritation. May cause respiratory irritation
Precautionary Statement	: P102, P103, P201, P202, P270, P271, P273, P280, P303+P340, P303+P312, P305+P351+P338, P310, P314, P391, P403+P233, P405, P501

Hazardous Material Classification



Hazard(s) not otherwise classified (HNOC) : None known

SECTION 3: COMPOSITION OF PRODUCT

Proprietary organic acids, chelating agents, and other non-toxic excipients	
Generic Name	Iron Amino Acid Complex
Concentration Range	100%

SECTION 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 you feel unwell, seek medical advice immediately (show the label where possible).
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.
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.
Most important symptoms/effects, acute and delayed	: Irritation of eyes and mucous membranes.
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.
Over Exposure	: N/A

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	: Water directly on fire
Specific hazards arising from the chemical	: During fire, gases hazardous to health may be formed.
Special Protective equipment and precautions for firefighters	: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	: Move containers from area if you can do so without risk. Fight fire from a safe distance and use fire extinguishers. Cool the containers by putting water on them even 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.

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.
Proper methods for damage limitation and cleanup	: Spills may be easily cleaned by washing spill with copious amounts 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.
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.

SECTION 7: HANDLING AND STORAGE

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.
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.

SECTION 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 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.

SECCIÓN 9: PROPIEDADES FÍSICAS Y QUÍMICAS.

Appearance	: Aqueous Solution
Physical State	: Liquid
Form	: Liquid
Color	: Dark Brown
Odor	: None
Solubility	: 100% water soluble
Salt out/crystallization temp/freezing point	: <5 °F (<-15 °C)
Expl. Limit LEL-UEL. %-%	: Not determined
Vapor Pressure	: 0.003 hPs estimated
Decomposition temp.:	: Not determined
pH in aqueous solution	: 4.7-6.5 (1% Solution)
Flash Point	: Not determined
Molecular weight	: Not determined
Ignition temp	: Not determined
Rel. Vapor Density (air=1)	: Not determined
Air Reactive	: Not determined
Percent Volatile (by Volume)	: Not determined
Bulk Density	: 1.2-1.3 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: : <3 Years

SECTION 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	: N/A
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
Acute dermal irritation	: No irritation or corrosive 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 CONSIDERATION

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

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

SECTION 15: REGULATORY INFORMATION

US federal regulations	: This product is a “hazardous chemical” as defined by the OSHA hazard communication standard, 29 CFR 1910.1200.
International Regulations	: This product is not recognized by any international governmental agency as dangerous

SECCIÓN 16: OTRAS INFORMACIONES.

Version	: 001
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.