



Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03

Printing Date: December 6, 2017

Revision Date: 12/6/2017

Product Identifier: FoxFarm Grow Big Hydroponic

SECTION 1: IDENTIFICATION

Product Identifier: FoxFarm Grow Big Hydroponic
Product Description: Liquid hydroponic plant food concentrate

Manufacturer: United Compost & Organics
dba FoxFarm Soil & Fertilizer Company
PO Box 787, Arcata, CA 95518
1900 Bendixsen Street, Samoa, CA 95564
foxfarm@foxfarmfertilizer.com
(800) 436-9327 or (707) 443-4369 for product information
www.foxfarmfertilizer.com

Emergency Telephone Number: (707) 443-4369, M-F 8:30am–5:00pm PST.

SECTION 2: HAZARD(S) IDENTIFICATION

Classifications:

Flammability – n/a (inherently noncombustible)
Health – Category 5 (irritation or minor reversible injury possible)
Instability/Reactivity – n/a (stable)

Pictograms:

n/a

Signal Word:

Warning

Hazard Statements:

H303 May be harmful if swallowed
H315 May cause skin irritation
H320 May cause eye irritation

Precautionary Statements:

P102 Keep out of reach of children
P261 Avoid breathing mist or spray
P262 Do not get in eyes, on skin, or on clothing
P264 Wash skin thoroughly after handling
P280 Wear protective gloves, eye protection, and face protection

Storage:

Avoid overheating or freezing.

Disposal:

Dispose of contents/containers in accordance with federal, state, and local regulations.

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Component	CAS Number	%
Potassium nitrate	7757-79-1	Trade secret
Calcium nitrate	10124-37-5	Trade secret
Monoammonium phosphate	7722-76-1	Trade secret
Magnesium nitrate	13446-18-9	Trade secret

SECTION 4: FIRST-AID MEASURES**Inhalation:**

If vapors or mist cause irritation or distress, remove to fresh air.

Skin Contact:

Thoroughly wash off skin with water. Wash contaminated clothing before re-use.

Eye Contact:

Immediately flush eyes with large amounts of water. Remove contact lenses.

Ingestion:

If swallowed, drink plenty of water. Do not induce vomiting. Consult a physician immediately.

Notes to Physician:

Symptoms: May cause irritation, redness, and/or burning to the eyes. Prolonged exposure to the eyes may cause conjunctivitis. Dermal exposure may cause irritation, redness, and/or burning. Prolonged exposure to the skin may cause dermatitis. Ingestion may cause abdominal cramps, nausea, vomiting, and/or diarrhea. Inhalation may cause upper respiratory tract irritation.

SECTION 5: FIRE-FIGHTING MEASURES**Suitable Extinguishing Media:**

Material is non-combustible.

Specific Hazards During Fire Fighting:

No further relevant information available.

Special Protective Equipment for Fire Fighters:



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No special measures required.

Further Information:

No further relevant information available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid contact with skin and eyes. Avoid inhaling mist. Keep unprotected persons away.

Protective Equipment:

Wear gloves and face protection as necessary.

Environmental Precautions:

Avoid discharge into the environment. After containment and cleanup, flush and dilute spilled area with water.

Methods of Containment and Cleanup

Surround spill with containment berms to prevent spreading. Use appropriate absorbent material to absorb the spilled material. Flush spilled area with water.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:

Wear personal protective equipment as necessary. Emergency eye wash stations should be in the near proximity to operations presenting a potential splash exposure. Avoid skin exposure.

Conditions for Safe Storage, Including Incompatibilities:

No further relevant information.

Further Information:

Use good personal hygiene practices. After handling material wash hands before eating, drinking, smoking, or using toilet facilities. Keep away from foodstuffs and beverages.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with Occupational Exposure Limits (lists that were valid at creation used as basis):

Component	CAS Number	Type	Value
Monoammonium Phosphate	7722-76-1	ACGIH TLV	5mg/m ³

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No further relevant information available.

Eye Protection:

Safety glasses or goggles are recommended where there is a possibility of splashing or spraying. Ensure that eyewash stations are close to the workstation.

Hand Protection:

To prevent skin contact wear water resistant gloves, such as those constructed of nitrile.

Skin and Body Protection:

Wear protective clothing to prevent skin contact. Promptly remove contaminated clothing and launder before re-use.

Respiratory Protection:

No special equipment required. Avoid fine spray/mist through proper handling. Avoid breathing mist.

General Protective and Hygienic Practices:

Emergency eye wash capability should be available in the near proximity to operations presenting a potential splash exposure. Avoid repeated and/or prolonged skin exposure. Use good personal hygiene practices. After handling material wash hands before eating, drinking, smoking, or using toilet facilities. Keep away from foodstuffs and beverages.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Appearance:** Green**Odor:** Earthy, slightly sweet**Odor Threshold:** Not determined**pH:** 2.00**Specific Gravity (Relative Density):** 1.239**Solubility:** Soluble**Melting Point/Freezing Point:** 0 °C (32 °F)**Initial Boiling Point and Boiling Range:** 100 °C (212 °F)

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Product Identifier: FoxFarm Grow Big Hydroponic**Danger of Explosion:** Material does not present an explosion hazard.**Flammability:** n/a**Flash Point:** n/a**Auto-Ignition Temperature:** Material is not self-igniting.**Decomposition Temperature:** Not determined.**Vapor Pressure:** Not determined.**Vapor Density:** Not determined.**Evaporation Rate:** Not determined.**Viscosity:** Not determined.**Partition Coefficient (n-octanol/water):** Not determined.**SECTION 10: STABILITY AND REACTIVITY****Reactivity:** No further relevant information.**Chemical Stability:** Material is stable under normal conditions.**Possibility of Hazardous Reactions:** No dangerous reactions known.**Hazardous Decomposition:** No dangerous decomposition products known.**Conditions to Avoid:** No further relevant information.**Incompatible Materials:** Strong acids of pH 2 and lower, and bases of pH 9 and higher.**SECTION 11: TOXICOLOGICAL INFORMATION****Acute Toxicity****Relevant Numerical Measure of Toxicity:**Potassium nitrate: LD₅₀ (oral, rat) - >2,000mg/kg; LD₅₀ (dermal, rat) - >5,000mg/kg;LC₅₀ (inhalation, rat) - >0.527mg/L (4hrs)Calcium nitrate: LD₅₀ (dermal, rat) - >2,000mg/kgMonoammonium phosphate: LD₅₀ (oral, rat) - >2,000mg/kg;LD₅₀ (dermal, rabbit) - >5,000mg/kg

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Product Identifier: FoxFarm Grow Big HydroponicMagnesium nitrate: LD₅₀ (oral, rat) – 5,440mg/kg**Likely Routes of Exposure:**

Eye contact, skin contact, inhalation. Ingestion is not expected to be a likely route of exposure through normal product use.

Immediate Exposure Effects:

Eye contact: May cause irritation, redness, and/or burning.

Skin contact: May cause irritation, redness, and/or burning.

Inhalation: May cause upper respiratory irritation.

Delayed Exposure Effects:

None anticipated.

Symptoms of Exposure:

Inhalation: May cause upper respiratory irritation or pulmonary effects.

Skin and/or Eye contact: May cause irritation, redness, and/or burning.

Chronic Toxicity**Relevant Numerical Measure of Toxicity:**

No delayed or chronic effects from short- or long-term exposures are known.

Likely Routes of Exposure:

Eye contact, skin contact, inhalation. Ingestion is not expected to be a likely route of exposure through normal product use.

Immediate Exposure Effects:

Eye contact: May cause irritation, redness, and/or burning.

Skin contact: May cause irritation, redness, and/or burning.

Inhalation: May cause upper respiratory irritation.

Delayed Exposure Effects:

No delayed or chronic effects from short- or long-term exposures are known.

Symptoms of Exposure:

Inhalation: May cause upper respiratory irritation or pulmonary effects.

Skin and/or Eye contact: May cause irritation, redness, and/or burning.

Carcinogenic Categories**IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

NTP (National Toxicology Program):

None of the ingredients are listed.

OSHA (Occupational Health & Safety Administration):

None of the ingredients are listed.

SECTION 12: ECOLOGICAL INFORMATION**General Notes:**



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Keep out of sewers, drainage areas, and waterways. Report spills and releases, as applicable, under federal and state regulations. Large quantities of fertilizer released into the environment may kill aquatic plants and animals and cause algae blooms if bodies of water are contaminated.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal:

Dispose of container and unused contents in accordance with federal, state and local requirements.

Further Information:

Do not dispose of in sewage system.

SECTION 14: TRANSPORT INFORMATION

General Notes:

No further relevant information available.

SECTION 15: REGULATORY INFORMATION

OSHA Hazards

None of the ingredients are listed.

TSCA (Toxic Substances Control Act)

Potassium nitrate, calcium nitrate, magnesium nitrate, and monoammonium phosphate are listed in the TSCA inventory.

California Prop. 65

None of the ingredients are listed.

SARA Hazards

This product contains substances considered, under applicable definitions, to meet the following categories: Acute.

EPA (Environmental Protection Agency)

None of the ingredients are listed.

TLV (Threshold Limit Value Established by ACGIH)

Monoammonium phosphate 7722-76-1, 5 mg/m³

NIOSH (National Institute for Occupational Safety and Health)



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None of the ingredients are listed.

SECTION 16: OTHER INFORMATION

The information and recommendations provided in this Safety Data Sheet are accurate to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship.