



AFM12X8OZ, AFM6X1Q,  
AFM2X1G, AFM5G, AFM55G

# SAFETY DATA SHEET

Issuing Date: 07-Jan-2016

Version 1

## Aqua Feed Micro

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Aqua Feed Micro

**Product code** AFM12X8OZ, AFM6X1Q, AFM2X1G, AFM5G, AFM55G

**Product Use** Plant food.

**Supplier Address**  
Dutch Master Nutrients LLC  
PO Box 4125  
Bellevue, WA 98009

**SDSs are available at the following website(s):** [www.dutchmasternutrients.com](http://www.dutchmasternutrients.com)

**Company Phone Number** 425-505-2973

**Emergency Telephone** Transport-CHEMTREC Inside NA: 800-424-9300  
Transport CHEMTREC Outside NA: 703-527-3887

**E-mail** [sds@dutchmasternutrients.com](mailto:sds@dutchmasternutrients.com)

### 2. HAZARDS IDENTIFICATION

**Classification**

Serious eye damage/eye irritation	Category 1
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**GHS Label elements, including precautionary statements**

Danger

**Hazard Statements**

Causes serious eye damage



**Precautionary Statements**

**Prevention**

Wear protective gloves/protective clothing/eye protection/face protection

**Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor/physician

**Storage**

Not applicable

**Disposal**

Not applicable

**Hazards not otherwise classified (HNOC)**

Not classified

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
CALCIUM NITRATE DOUBLE SALT	15245-12-2	15-30%

**4. FIRST AID MEASURES**

**First aid measures for different exposure routes**

**General advice**

If symptoms persist, call a physician.

**Eye contact**

In case of contact with substance, immediately flush eyes with running water for at least 30 minutes. Keep eye wide open while rinsing. Do not rub affected area. Call a physician immediately.

**Skin contact**

Wash off immediately with plenty of water. Get medical attention if irritation develops and persists.

**Inhalation**

Move to fresh air. If symptoms persist, call a physician.

**Ingestion**

If swallowed, do not induce vomiting - seek medical advice.

**Most important symptoms/effects, acute and delayed**

Burning feeling and temporary redness.

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**Indication of immediate medical attention and special treatment needed, if necessary**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

None known.

**Specific hazards arising from the chemical**

None known.

**Hazardous Combustion Products**

Carbon oxides. Nitrogen oxides (NO<sub>x</sub>).

**Explosion Data**

**Sensitivity to Mechanical Impact** none

**Sensitivity to Static Discharge** none

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid contact with skin, eyes or clothing. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use personal protective equipment. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

Wear personal protective equipment. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. In case of insufficient ventilation, wear suitable respiratory equipment.

**Conditions for safe storage, including any incompatibilities**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Exposure controls

**Engineering Measures** Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Tightly fitting safety goggles. Face-shield.

**Skin and body protection** Wear protective gloves/clothing.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** When using do not eat, drink or smoke. Take off contaminated clothing and wash before reuse. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	clear, amber colored	<b>Odor</b>	none
<b>Odor Threshold</b>	Not available	<b>Physical State @20°C</b>	Aqueous Solution
<b>pH</b>	3.9	<b>Molecular Weight</b>	Not available
<b>Specific Gravity</b>	1.1	<b>Autoignition temperature</b>	Not available
<b>Flash point</b>	> 201 °F / > 94 °C	<b>Boiling point / boiling range</b>	> 212 °F / > 100 °C
<b>Decomposition temperature</b>	Not available	<b>Freezing Point</b>	Not available
<b>Melting point / melting range</b>	Not available		
<b>Flammability Limit in Air</b>	Not available		
<b>Oxidizing Properties</b>	Not available	<b>Explosive Properties</b>	Not available
<b>Solubility</b>	completely soluble	<b>Partition coefficient</b>	Not available
<b>Evaporation rate</b>	Not available	<b>Vapor Pressure</b>	Not available
<b>Vapor density</b>	Not available	<b>Density</b>	Not available
<b>VOC (lb/gal)</b>	Not available	<b>VOC (g/l)</b>	Not available
<b>Dynamic viscosity</b>	Not available		

## 10. STABILITY AND REACTIVITY

### Reactivity

Stable under recommended storage conditions.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

**Conditions to Avoid**

Excessive heat. Freezing.

**Incompatible Materials**

Strong oxidizing agents. Strong acids. Strong bases.

**Hazardous Decomposition Products**

None known.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

<b>Acute toxicity</b>	
<b>Inhalation</b>	Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Eyes</b>	Corrosive to the eyes and may cause irreversible eye damage.
<b>Skin</b>	May cause irritation.
<b>Ingestion</b>	Ingestion may cause stomach discomfort.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	LC50 (lethal concentration)
CALCIUM NITRATE DOUBLE SALT	= 2000 mg/kg ( Rat )		

**Information on toxicological effects**

No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Irritation</b>	Severe eye irritant.
<b>Corrosivity</b>	Risk of serious damage to eyes. Corrosive to eyes.
<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Reproductive Toxicity</b>	No information available.
<b>Carcinogenicity</b>	None known.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Target Organ Effects** Eyes.

**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 9070 mg/kg

**ATE:** Acute toxicity estimate

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Contains no substances known to be hazardous to the environment or that are not degradable in wastewater treatment plants.

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

### Mobility

No information available.

### Other adverse effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal Methods

Dispose of in accordance with local regulations.

### Contaminated packaging

Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG</u>	Not regulated
<u>ADR/RID</u>	Not regulated
<u>ADN</u>	Not regulated

## 15. REGULATORY INFORMATION

**International Inventories**

TSCA	Yes
DSL/NDSL	Yes
PICCS	No
EINECS/ELINCS	Yes
ENCS	No
IECSC	No
KECL	No
AICS	No

**\*Yes - All component(s) of this product are included or are exempt from listing on the inventory.**

**\*No - Indicates the component(s) of this product are either not listed or have not been determined to be listed on the inventory.**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

**U.S. Federal Regulations**

**TSCA Sections 4, 5 and 12(b)**

This product does not contain any chemicals regulated by TSCA Sections 4, 5 or 12(b).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	no
Fire Hazard	no
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
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CALCIUM NITRATE DOUBLE SALT		X		X	
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**International Regulations**

**Canada - NDSL**

Chemical Name	NDSL
CALCIUM NITRATE DOUBLE SALT 15245-12-2	X

**Mexico - Grade**

Slight risk, Grade 1

**Mexico - Carcinogen Status and Exposure Limits**

No information available

**Other Regulations**

No information available

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazard 3</b>	<b>Flammability 1</b>	<b>Instability 0</b>	<b>Physical and chemical hazards - Personal protection C</b>
<b>HMIS</b>	<b>Health Hazard 3</b>	<b>Flammability 1</b>	<b>Physical Hazard 0</b>	

**Prepared By** FUJIFILM Environment, Health and Safety, phone: 800-473-3854

**Revision Date** 07-Jan-2016

**Revision Note** No information available

**Disclaimer** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. 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.

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