



AFB12X8OZ, AFB6X1Q,
AFB2X1G, AFB5G, AFB55G

SAFETY DATA SHEET

Issuing Date: 04-Feb-2016

Version 1

Aqua Feed Bloom

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Aqua Feed Bloom

Product code AFB12X8OZ, AFB6X1Q, AFB2X1G, AFB5G, AFB55G

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

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

2. HAZARDS IDENTIFICATION

Classification

| | |
|-----------------------------------|-------------|
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2A |

GHS Label elements, including precautionary statements

Warning

Hazard Statements

Causes skin irritation
Causes serious eye irritation



Precautionary Statements

Prevention

Wash face, hands and any exposed skin thoroughly after handling
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
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse

Storage

Not applicable

Disposal

Not applicable

Hazards not otherwise classified (HNOC)

Not classified

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|-----------------|-----------|----------|
| PHOSPHORIC ACID | 7664-38-2 | 1-5% |

4. FIRST AID MEASURES

First aid measures for different exposure routes

| | |
|-----------------------|--|
| General advice | If symptoms persist, call a physician. |
| Eye contact | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| Skin contact | IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. |
| 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

May cause redness, itching, and pain.

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. Phosphorus oxides. Oxides of sulfur. Potassium oxides.

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. Ensure adequate

ventilation.

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

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH | AIHA - Workplace Environmental Exposure Levels (WEELs) - TWAs |
|-----------------|---|---|---|---|
| PHOSPHORIC ACID | STEL: 3 mg/m ³ TWA: 1 mg/m ³ | TWA: 1 mg/m ³ (vacated) TWA: 1 mg/m ³ (vacated) STEL: 3 mg/m ³ | IDLH: 1000 mg/m ³ TWA: 1 mg/m ³ STEL: 3 mg/m ³ | |

Exposure controls

Engineering Measures Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles.

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

| | | | |
|--------------------------------------|--------------------|--------------------------------------|---------------------|
| Appearance | Clear, Colorless | Odor | none |
| Odor Threshold | Not available | Physical State @20°C | Aqueous Solution |
| pH | 2.4 | Molecular Weight | Not available |
| Specific Gravity | 1.1 | Autoignition temperature | Not available |
| Flash point | > 201 °F / > 94 °C | Boiling point / boiling range | > 212 °F / > 100 °C |
| Decomposition temperature | Not available | Freezing Point | Not available |
| Melting point / melting range | Not available | Explosive Properties | Not available |
| Flammability Limit in Air | Not available | Partition coefficient | Not available |
| Oxidizing Properties | Not available | Vapor Pressure | Not available |
| Solubility | completely soluble | Density | Not available |
| Evaporation rate | Not available | VOC (g/l) | Not available |
| Vapor density | Not available | | |
| VOC (lb/gal) | Not available | | |
| Dynamic viscosity | 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

Acute toxicity

| | |
|-------------------|--|
| Inhalation | Inhalation of vapors in high concentration may cause irritation of respiratory system. |
| Eyes | Irritating to eyes. May cause redness and tearing. |
| Skin | Irritating to skin. |
| Ingestion | Ingestion may cause stomach discomfort. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | LC50 (lethal concentration) |
|-----------------|----------------------|-----------------------|-----------------------------------|
| PHOSPHORIC ACID | = 1530 mg/kg (Rat) | 2730 mg/kg (Rabbit) | 850 mg/m ³ (Rat) 1 h |

Information on toxicological effects

No information available.

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

| | |
|------------------------------|------------------------------|
| Irritation | Irritating to eyes and skin. |
| Corrosivity | No information available. |
| Sensitization | No information available. |
| Mutagenic Effects | No information available. |
| Reproductive Toxicity | No information available. |
| Carcinogenicity | None known. |

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target Organ Effects Eyes, Respiratory system, Skin.

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) | 49685 mg/kg |
| ATEmix (dermal) | 66392 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 | No |
| ENCS | Yes |
| IECSC | No |
| KECL | No |
| AICS | Yes |

***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 contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):.

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-----------------|-----------------------------|------------------------|---------------------------|----------------------------|
| PHOSPHORIC ACID | 5000 lb | | | X |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):.

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|-----------------|--------------------------|------------------------------------|--|
| PHOSPHORIC ACID | 5000 | | RQ 5000 lb final RQ RQ 2270 kg final RQ |

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 |
|-----------------|---------------|------------|--------------|----------|--------------|
| PHOSPHORIC ACID | X | X | X | | X |

International Regulations

Canada - NDSL

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Mexico - Grade

Slight risk, Grade 1

Mexico - Carcinogen Status and Exposure Limits

| Chemical Name | Carcinogen Status | Exposure Limits |
|-----------------|-------------------|---|
| PHOSPHORIC ACID | | Mexico: TWA 1 mg/m ³ Mexico: STEL 3 mg/m ³ |

Other Regulations

No information available

16. OTHER INFORMATION

| | | | | |
|-------------|------------------------|-----------------------|--------------------------|--|
| NFPA | Health Hazard 2 | Flammability 1 | Instability 0 | Physical and chemical hazards - |
| HMIS | Health Hazard 2 | Flammability 1 | Physical Hazard 0 | Personal protection C |

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

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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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