



# Safety Data Sheet

## Vitastim Low F:M

Revision Date 2/18/2018

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product Identifiers

Product Name : Vitastim Low F:M  
Synonyms : None  
Product Form : Dry Powder

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Reduction of BOD and TSS in low temperatures

#### 1.3 Details of the supplier of the safety data sheet

Company : Aquafix Inc.  
2310 Daniels St.  
Madison WI 53718  
USA  
Telephone: : +1 888-757-9577  
Monday-Friday  
7:30am-4:00pm CST

#### 1.4 Emergency telephone number

Emergency Phone# : Chemtrec +1 800-424-9300

### 2. HAZARD IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin corrosion/irritation (Category 3)

Eye damage/irritation (Category 2B)

#### 2.2 GHS Label elements, including precautionary statements

Pictogram : N/A  
Signal Word : Warning  
Hazard Statement(s) : May cause mild skin and eye irritation.  
Precautionary Statement(s) : Avoid breathing dust/mist/vapor/spray. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Do not eat, drink, or smoke while handling.

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

#### Hazardous Components

Component	Cas-No.	Concentration %	OSHA PEL	ACGIH TLV
Bacteria Cultures	N/A	≤1%	15mg/m3(total)* 5mg/m3 (respirable)*	10 mg/m3*

\*This TLV applies to nuisance particulates or particulates not otherwise regulated

**Ingredients not precisely identified are proprietary or non-hazardous. Product formulation consists of listed materials, non-hazardous ingredients, and naturally occurring microorganisms.**

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## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General advice

Wear adequate personal protective equipment. If concerned consult a physician.

#### In case of skin contact

Wash exposed area with soap and water. If irritation persists, seek medical attention.

#### In case of eye contact

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

#### If Inhaled

Remove to fresh air.

#### If Ingested

May cause nausea or diarrhea, drink plenty of water.

### 4.2 Most important symptoms and effects both acute and delayed

May cause serious eye damage.

### 4.3 Indication of any immediate medical attention and special treatment needed

None known. If any symptoms persist, seek medical attention.

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## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use water, water spray, foam, carbon dioxide (CO<sub>2</sub>), or dry powder.

#### Unsuitable extinguishing media

None

**5.2 Special hazards arising from the substance or mixture**

None

**5.3 Special protective equipment for firefighters**

Wear special clothing and self-contained breathing apparatus.

**5.4 Further Information**

**Flash Point (°C)** : Does not flash

**Autoignition temperature (°C)** : Not applicable

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## 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions**

No special precautions required. Wear adequate personal protective equipment.

None

**6.3 Method and materials for clean up**

Maintain good housekeeping practices. Can be washed away with water. No special disposal method required, except that it be in accordance with current local, state/provincial and federal regulations.

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## 7. HANDLING AND STORAGE

**7.1 Precautions for safe handling**

Wear personal protection equipment.

**7.2 Conditions for safe storage**

**Risks**

Not at risk for corrosion, fire, explosion, or chemical reaction.

**Place of storage**

Store in a cool, dry space between 50-80°F.

**Fire/explosion protection**

None needed

**7.3 Specific end use**

None

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1 Control parameters**

**Components with work place parameters**

None

**8.2 Exposure controls**

**Engineering controls**

Handle in accordance with good industrial hygiene and safety practice.

**Personal Protective Equipment**

<b>Eye/face protection</b>	:	Safety glasses are recommended
<b>Skin</b>	:	<b>Hand:</b> Handle with disposable gloves <b>Other:</b> Wear appropriate clothing for work
<b>Respiratory protection</b>	:	Protective respirator mask is recommended
<b>Thermal protection</b>	:	None
<b>Environmental exposure</b>	:	None

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## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	:	Tan powder
<b>Odor</b>	:	Earthy smell
<b>Solubility</b>	:	Soluble in water
<b>Boiling point</b>	:	No data available
<b>pH</b>	:	7
<b>Vapor density</b>	:	No data available
<b>Melting point</b>	:	No data available
<b>Vapor pressure</b>	:	No data available
<b>Specific Gravity</b>	:	.5 gr/cc

### 9.2 Other information

None

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## 10. STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	:	None
<b>10.2 Chemical Stability</b>	:	Stable
<b>10.3 Possibility of hazardous reactions</b>	:	None
<b>10.4 Conditions to avoid</b>	:	Avoid storing with incompatible materials
<b>10.5 Incompatible materials</b>	:	Strong acids or bases may inactivate bacteria
<b>10.6 Hazardous decomposition products</b>	:	None

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

<b>Acute toxicity</b>	:	No known effects
<b>Skin corrosion/irritation</b>	:	May cause mild skin irritation
<b>Eye damage/irritation</b>	:	May cause eye irritation
<b>Respiratory/skin sensitization</b>	:	No known effects, possible allergic sensitization
<b>CMR</b> (Carcinogenity, Mutagenicity, Reproductive toxicity)	:	No known effects

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## 12.ECOLOGICAL INFORMATION

Test Species	Toxicity Value Type	Toxicity Value	Toxivity Value Units	Exposure
<i>Ceriodaphnia dubia</i>	LC50	637	mg/L	48 hours
<i>Pimephales promelas</i>	LC50	1464	mg/L	96 hours

- 12.1 Toxicity : No known information is available  
12.2 Persistence and degradability : No known information is available  
12.3 Bioaccumulative potential : No known information is available  
12.4 Mobility in soil : No known information is available  
12.5 Results of PBT and vPvB assessment: No known ecological information is available

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## 13.DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods  
Dispose of product in accordance with federal, state and local regulations.

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## 14.TRANSPORTATION INFORMATION

- 14.1 UN NUMBER : Not relevant  
14.2 UN proper shipping name : Not relevant  
14.3 Transportation hazard class : Not classified as dangerous  
14.4 Packing group : Not relevant  
14.5 Environmental hazards : None  
14.6 Special precautions : None  
14.7 Further Information : None

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## 15.REGULATORY INFORMATION

Sara/Title III – CERCLA LIST of Hazardous Substances and Reportable Quantities (40CFR304.4): This product **does not** contain an ingredient(s) listed as a hazardous ingredient for Emergency Release Notification under section 304

Sara/Title III – List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 300 & 305): This product **does not** contain an ingredient(s) listed as an extremely hazardous substances (EHS) for Emergency Planning under sections 301-303 and for Emergency Release Notification under section 304.

Sara/Title III – List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372): This product **does not** contain an ingredient(s) listed as a toxic chemical for Annual Release Reporting Requirements under section 313.

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## **16.OTHER INFORMATION**

*The information in this SDS was obtained from sources which we believe to be reliable. However, the information is provided without any warranty expressed or implied regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself.*

*This SDS was prepared and is to be used only for this product. No representation, warranty, or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness. We assume no responsibility for any loss, damage or expense direct or consequential arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.*