



# Safety Data Sheet

## Vitastim Ammonia Assimilators

Revision Date 1/9/2019

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product Identifiers

Product Name : Vitastim Ammonia Assimilators

Synonyms : None

Product Form : Liquid

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

Identified uses : Ammonia control

#### 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)**

Eye damage/irritation (Category 1)

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

Pictogram:



Signal Word : Danger

Hazard Statement(s) : Causes serious eye damage.

Precautionary Statement(s) : Avoid breathing dust/mist/vapor/spray. Wear protective gloves/protective clothing/eye protection/face protection. Do not get in eyes, on skin, or on clothing. 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	N/A	N/A	N/A

Ingredients not precisely identified are proprietary or non-hazardous. Product formulation consists of a range of naturally occurring microorganisms.

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## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General advice

This product is considered non-toxic, if concerned consult a physician.

#### In case of skin contact

Wash exposed area with soap and water.

#### In case of eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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

Possible irritation upon contact.

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

None. 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

No special protective equipment required.

### 5.4 Further Information

**Flash Point (°C)** : No information available

**Autoignition temperature (°C)** : No information available

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## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions

No special precautions required. Wear adequate personal protective equipment.

### 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. No special instructions to minimize risks.

#### 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

**Eye/face protection** : Protective glasses are recommended

**Skin** : **Hand:** Gloves are recommended

**Other:** Wear appropriate clothing for work

Respiratory protection : Protective mask is recommended  
Thermal protection : None  
Environmental exposure : None

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## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance : Liquid, light tan in color  
Odor : Natural, yeast like odor  
Solubility : Highly soluble  
Boiling point : No information available  
pH : 7.0-7.5  
Vapor density : No information available  
Melting point : No information available  
Vapor pressure : No information available  
Specific Gravity : 1.0 @ 25°C

9.2 Other information : None

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## 10. STABILITY AND REACTIVITY

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

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity : No known effects  
Skin corrosion/irritation : No known effects  
Eye damage/irritation : No known effects  
Respiratory/skin sensitization : No known effects, possible allergic sensitization  
CMR<sub>(Carcinogenity, Mutagenicity, Reproductive toxicity)</sub> : 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	18946.5	mg/L	48 hours
<i>Pimephales promelas</i>	LC50	16493.8	mg/L	96 hours

12.1 Toxicity : No known information is available

12.2	<b>Persistence and degradability</b>	No known information is available
12.3	<b>Bioaccumulative potential</b>	No known information is available
12.4	<b>Mobility in soil</b>	No known information is available
12.5	<b>Results of PBT and vPvB assessment</b>	No known ecological information is available

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## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Product and packaging can be disposed of in regular trash. No special disposal method required. Follow all applicable local laws for recycling, bagging, and disposal of trash.

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## 14. TRANSPORTATION INFORMATION

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

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