



# Safety Data Sheet

## BugJuice

Revision Date 3/04/2019

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product Identifiers

Product Name : BugJuice

Synonyms : None

Product Form : Liquid

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

Identified uses : Reduction of sludge in wastewater plants

#### 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)**

Respiratory sensitization (Category 1B)

Eye damage/irritation (Category 2A)

Skin corrosion/irritation (Category 3)

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

Pictogram:



Signal Word : Warning

Hazard Statement(s) : Causes serious eye irritation. May cause skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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

---

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substances**

**Hazardous Components**

Component	Cas-No.	Concentration %	OSHA PEL	ACGIH TLV
Proprietary Proteins Compounds	N/A	10-15%	N/A	N/A
polyethylene glycol p-(1,1,3,3-tetramethylbutyl)-phenyl ether, octyl phenol ethoxylate, polyoxyethylene octyl phenyl ether	9002-93-1	1-3%	N/A	N/A
Bacteria Cultures	N/A	≤1	N/A	N/A

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

---

### 4. FIRST AID MEASURES

**4.1 Description of first aid measures**

**General advice**

If concerned consult a physician.

**In case of skin contact**

Wash exposed area with soap and water. Get medical attention if irritation develops and persists.

**In case of eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists seek medical attention.

**If Inhaled**

Remove to fresh air. If irritation persists seek medical attention.

**If Ingested**

May cause nausea or diarrhea, drink plenty of water.

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

Possibility of persistent irritation and/or allergic reaction.

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

Seek medical attention if irritation persists.

---

## 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 data available

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

---

## 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.

---

## 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

---

## 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** : Respirator is recommend if prolonged exposure expected

**Thermal protection** : None

**Environmental exposure** : None

---

## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

**Appearance** : Brown Liquid

**Odor** : Slight fermentation

**Solubility** : Highly soluble

**Boiling point** : 212°F

**pH** : 4.8-5.5

**Vapor density** : No data available

**Melting point** : No data available

**Vapor pressure** : No data available

**Specific Gravity** : 1.05 g/cc

9.2 **Other information** : None

---

## 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, acids or alkalis may break down biochemical catalysts and inactivate bacterial cultures.

10.6 **Hazardous decomposition products** : None

---

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity** : No known effects

**Skin corrosion/irritation** : Can cause mild skin irritation

**Eye damage/irritation** : Can cause serious eye irritation  
**Respiratory/skin sensitization** : Ingredients have been known to cause allergic reactions  
**CMR**(Carcinogenity, Mutagenicity, Reproductive toxicity): No known effects

---

## 12.ECOLOGICAL INFORMATION

Test Species	Toxicity Value Type	Toxicity Value	Toxivity Value Units	Exposure
<i>Ceriodaphnia dubia</i>	LC50	3855.53	mg/L	48 hours
<i>Pimephales promelas</i>	LC50	573.77	mg/L	96 hours

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

---

## 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.

---

## 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

---

## 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.

---

## **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.*