



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 (CO₂), 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 **Biaacumulative 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.