

# AquaClean ACF-SR

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Creation date: 01/01/2018

Supersedes: Version 1.0

Version: 2.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

**Product Identifier: AquaClean ACF-SR**

Product form: Aqueous suspension of beneficial bacteria

Substance name: Natural Probiotic

CAS No.: 68920-42-3

Formula: N/A

Synonyms: Beneficial Bacteria, Probiotic

**Intended Use of the Product**

Use of the substance/mixture: Applied directly to soil or as foliar spray for optimizing soil conditions for crop yield.

**Name, Address, and Telephone of the Responsible Party**

BluePlanet Labs / TLC Products, Inc.

15752 Industrial Parkway

Cleveland, OH 44135

216-472-3030

**Emergency telephone number**

Emergency number : 216-472-3030

### SECTION 2: Hazards identification

**Classification of the substance / mixture**

GHS-US classification : N/A

**Label elements**

**GHS-US**

**labeling**

Hazard pictograms (GHS-US) : N/A

Signal word (GHS-US) : N/A

Hazard statement (GHS-US) : N/A

Precautionary statements (GHS-US) : N/A

**Other hazards**

No additional information available,

**Unknown acute toxicity (GHS US)**

No data available

### SECTION 3: Composition/information on ingredients

**Substances – Note All Bacteria Listed Below are Compliant with Canada DSL**

Name	Product Identifier	%	GHS-USclassification
Beneficial Bacteria, non-toxic, non-pathogenic, non-GMO (listed individually in the 5 rows below)	68920-42-3	< 3.5%	N/A Non Hazardous
<i>Bacillus licheniformis</i>	ATCC 12713	> 0.5%	N/A Non Hazardous
<i>Bacillus subtilis</i>	ATCC 6051A	> 0.5%	N/A Non Hazardous
<i>Rhodopseudomonas palustris</i>	ATCC 17001	> 0.5%	N/A Non Hazardous
<i>Nitrosomonas europaea</i>	ATCC 25978	> 0.5%	N/A Non Hazardous
<i>Nitrobacter winogradskyi</i>	ATCC 25391	> 0.5%	N/A Non Hazardous
Water	7732-18-5	> 96.5%	N/A

### SECTION 4: First aid measures

**Description of first aid measures**

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : N/A

**First-aid measures after skin contact :** Remove contaminated clothing. Wash affected area with soap and water.

**First-aid measures after eye contact :** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**First-aid measures after ingestion :** Rinse mouth. Do NOT induce vomiting.

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

**Symptoms/injuries:** Eye irritation.

**Symptoms/injuries after eye contact:** May cause eye irritation.

**Symptoms/injuries after ingestion:** Ingestion may cause nausea, vomiting and diarrhea.

**Symptoms/injuries after inhalation:** May cause coughing or sneezing

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

medical advice is needed, have product container or label at hand.

## **SECTION 5: Firefighting measures**

### **Extinguishing media**

**Suitable extinguishing media:** N/A, non-flammable

**Unsuitable extinguishing media:** N/A, non-flammable

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

**Fire hazard:** Non flammable

**Explosion hazard:** No explosion hazard

**Reactivity:** Non-reactive. Will not polymerize. **Advice for firefighters**

**Firefighting instructions:** Exercise caution when firefighting any chemical fire.

**Protection during firefighting:** Firefighter should wear full protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.

## **SECTION 6: Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

**General measures:** Use in a well-ventilated area. Handle in accordance with good industrial hygiene and Safety practice.

#### **For non-emergency personnel**

**Protective equipment:** Use appropriate personal protection equipment (PPE).

**Emergency procedures:** N/A

#### **For emergency responders**

**Protective equipment:** Use appropriate personal protection equipment (PPE).

**Emergency procedures:** Ventilate area.

### **Environmental precautions**

Dispose down entry to sewers and drains, non-toxic, non-harmful for sewers and drains.

### **Methods and material for containment and cleaning up**

**For containment:** Store at room temperature.

**Methods for cleaning up:** Clear up spills immediately and dispose of waste safely.

### **Reference to other sections**

See heading 8, Exposure Controls and Personal Protection.

## **SECTION 7: Handling and storage**

### **Precautions for safe handling**

**Additional hazards when processed:**

None **Precautions for safe handling:**

None

**Hygiene measures:** Handle in accordance with good industrial hygiene safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

### **Conditions for safe storage, including any incompatibilities**

**Technical measures:** None

**Storage conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

**Incompatible products:** N/A

**Incompatible materials:** N/A

**Storage area:** Any storage room, away from children

**Special rules on packaging:** None

### Specific end use(s)

Soil amendment, applied directly to soil or as foliar spray to optimize crop yield.

## SECTION 8: Exposure controls/personal protection

### Control parameters

Beneficial Bacteria, 68920-42-3		
USA ACGIH	ACGIH TWA(ppm)	N/A
USA NIOSH	NIOSH REL (TWA) (mg/m3)	N/A
USA IDLH	US IDLH (ppm)	N/A
USA OSHA	OSHA PEL (TWA) (mg/m3)	N/A
USA OSHA	OSHA PEL (TWA) (ppm)	N/A

### Exposure controls

Appropriate engineering controls : Ensure all national/local regulations are observed.

Personal protective equipment : Protective goggles. Gloves.



Hand protection : Wear protective gloves.  
Eye protection : Chemical goggles or safety glasses.  
Skin and body protection : N/A  
Respiratory protection : N/A  
Thermal hazard protection : N/A  
Other information : N/A

## SECTION 9: Physical and chemical properties – Aqueous Components

### Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : Amber suspension of bacteria  
Color : Amber  
Odor : Musty to odor of sulfide  
Odor threshold : No data available  
pH : 7.0 to 9.5  
Relative evaporation rate (butyl acetate=1) : Water  
Melting point : N/A  
Freezing point : 0 C (water)  
Boiling point : 100 C (water)  
Flash Point : N/A  
Auto ignition temperature : N/A  
Decomposition Temperature : Will not decompose  
Flammability (solid, gas) : Not flammable  
Vapor pressure : Water  
Relative vapor density at 20 °C : Water  
Relative density : Water  
Density : Water  
Solubility : Miscible.  
Log Pow : No data available  
Log Kow : No data available  
Viscosity, kinematic : Water  
Viscosity, dynamic : Water  
Explosive properties : Not explosive  
Oxidizing properties : Will not oxidize  
Explosive limits : Not applicable

## Other information

No additional information available

## SECTION 10: Stability and reactivity

**Reactivity** Will not react.

**Chemical Stability** Stable, will not polymerize.

**Possibility Of Hazardous Reactions** No known hazardous reactions.

**Conditions To Avoid** Avoid freezing, store below 100 F, preferably store at room temperature.

**Incompatible Materials** None.

**Hazardous Decomposition Products** None.

## SECTION 11: Toxicological information

### Information on toxicological effects

Acute toxicity : Not classified

Beneficial Bacteria 68920-42-3	
LD50 oral rat	Unknown, not toxic
LD50 dermal rabbit	Unknown, not toxic
LC50 inhalation rat (mg/l)	Unknown, not toxic

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Mild eye irritant

Respiratory or skin sensitization : Not classified

Cell mutagenicity: None

Carcinogenicity: None

Reproductive toxicity : None

Specific target organ toxicity (single exposure) : None

Specific target organ toxicity (repeated exposure): None

Aspiration hazard: None

Symptoms/injuries after inhalation: May cause drowsiness or dizziness.

Symptoms/injuries after eye contact: May cause eye irritation.

Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and/or diarrhea.

## SECTION 12: Ecological information

### Toxicity

Beneficial Bacteria 68920-42-3	
LC50 fishes 1	None, not toxic
EC50 Daphnia 1	None, not toxic
LC50 fish 2	None, not toxic
EC50 Daphnia 2	None, not toxic

### Persistence and degradability

Beneficial Bacteria 68920-42-3	
Persistence and degradability	Readily biodegradable in water. Not established.

### Bio accumulative potential

Beneficial Bacteria 68920-42-3	
BCF fish 1	None
Log Kow	N/A
Bioaccumulative potential	Not established.

### Mobility in soil

No additional information available

### Other adverse effects

Other information : May dispose of waste material

## SECTION 13: Disposal considerations

### Waste treatment methods

**Regional legislation (waste):** U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII. U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring. U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents. U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule- Universal Treatment Standards. U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring.

U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics.  
**Waste disposal recommendations:** May dispose down drain, sewer, or pour into lake or pond. No hazardous disposal problems or risks.

**Additional information:** Dispose of empty containers in recycle or waste bins.

## SECTION 14: Transport information

In accordance with ICAO/IATA/DOT/TDG

### UNnumber

UN-No. (DOT) : N/A  
 DOT NA no. : N/A

### UN proper shipping name

Department of Transportation (DOT) : N/A  
 Hazard Classes

Hazard labels (DOT) : Non hazardous  
 Packing group (DOT) : No danger  
 DOT Special Provisions (49 CFR 172.102) : N/A  
 DOT Packaging Exceptions (49 CFR 173.xxx) : N/A  
 DOT Packaging Non Bulk (49 CFR 173.xxx) : N/A

DOT Packaging Bulk (49 CFR 173.xxx) : N/A

### Additional information

Emergency Response Guide (ERG) Number : N/A

Other information : No supplementary information available.

### Transport by sea

DOT Vessel Stowage Location : No limits or special considerations. Non hazardous, non corrosive, non explosive, will not polymerize, no vapors.

MFAG-No. : N/A

### Air transport

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : N/A

DOT Quantity Limitations Cargoaircraft only (49 CFR 175.75) : N/A

## SECTION 15: Regulatory information

### US Federal regulations

#### Beneficial Bacteria 68920-42-3

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag	None
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### US State Regulations

#### Beneficial Bacteria 68920-42-3

State or local regulations	None, N/A
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## SECTION 16: Other information

**Indication of changes** : January 1, 2017 creation date. January 1, 2018 revision date.  
**Other information** : This document was prepared in accordance with the SDS requirements of the OSHA Hazard  
**GHS Full Text Phrases** Communication Standard 29 CFR 1910.1200.

None	N/A
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**NFPA health hazard:** None

**NFPA fire hazard** : None

**NFPA reactivity** : None

**HMIS III Rating**

**Health** : 0 Minimal Hazard

**Flammability** : 0 Minimal Hazard

**Physical** : 0 Minimal Hazard

*This information is based on our current knowledge and describes the product for health, safety, and environmental requirements only.*

SDS US (GHS HazCom) - US Only