

Safety Data Sheet

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

Rules and Regulations Revision date: 01/01/2016

SECTION 1: Identification of product and supplier	
Product name	AquaClean ACF-32
Provider	BluePlanet Labs 15752 Industrial Parkway Cleveland, OH 44135 USA
Importer and distributor	BluePlanet LLC 110 Charlotte Place Englewood Cliffs, NJ 07632 USA
Emergency Telephone	(216) 472-3030 (BluePlanet Labs during office hours in USA, Eastern Standard Time)

SECTION 2: Composition / Ingredients	
Product type	Organic degrader for waste water application, environmental & soil remediation; used in waste water systems (WWS) and open waters
Active ingredients	Strains of all natural heterotrophic and photosynthetic bacteria in aqueous solution
Chemical name	Not applicable / Natural beneficial bacteria
Concentration	Viable bacterial culture (1% by weight) suspended in a water base (~98% by weight) plus a non-hazardous media residual (>1% by weight)
Chemical formula	Not applicable
CAS No.	CAS No. 68920-42-3
Num. A	Non-hazardous for transport (NPT)

SECTION 3: Hazards identification	
Brand label	AquaClean ACF-32
Risk classification of the chemical products that normally cause no harm	GHS-US classification N/A
a) Health hazards affecting humans: Effects of acute exposure Inhalation contact Skin contact Eye contact Ingestion Effects of long term (chronic) exposure Medical conditions that may be aggravated by exposure to product	No known acute exposure hazard No known inhalation hazard No known dermal hazard No known eye hazard Ingestion may cause minor discomfort No risk of inducing genetic mutations in humans Not carcinogenic No known conditions that are aggravated by exposure
b) Environmental hazards	No known hazards to the environment
c) Special hazards of product	No known special hazards

SECTION 4: First Aid measures	
In case of accidental contact with the product	Remove the patient from the immediate source of exposure and then follow the directions below; if medical attention is needed, have the label or SDS for product at hand
Inhalation	Remove patient from source of exposure into fresh air
Skin contact	Remove contaminated clothing; wash affected skin areas thoroughly with soap and water and if symptoms persist, call a doctor immediately
Contact with eyes	Wash eyes with plenty of water for at least 10 minutes keeping eyelids open and if applicable, remove contact lenses after the first 5 minutes of rinsing, and then continue rinsing eyes for another 5 minutes and notify physician immediately if irritation or redness persists
Ingestion	Do not induce vomiting; rinse mouth with water; drink water or milk to dilute and call a doctor if symptoms of diarrhea develop
Notes to physician	Perform first aid, decontamination and symptomatic treatment

SECTION 5: Measures for fire fighting	
Extinguishing media	No fire hazard, non-flammable
Specific flammable risks	No known toxic gases, non-reactive, non-explosive

SECTION 6: Measures to control spills or leaks	
Emergency measures	Mark the area affected by the spill and prohibit access by any persons, children and animals until the area is dry through evaporation
Personal protective equipment	Use nitrile certified impermeable gloves CE (or equivalent) with a minimum thickness of 0.4 mm; EN166 protective goggles and appropriate Type 6 personal protective equipment
Precautions to avoid damage to the environment	No damage or contaminants to water courses, water sources or sewers
Methods for cleaning	Ventilate area and wash down spill area with water until of the material has evaporated.
Waste disposal method	Refer to Section 13

SECTION 7: Handling and storage	
Technical recommendations	Follow common safety standards and good industrial hygiene; wash hands and other exposed areas with mild soap and water before eating, drinking or smoking, and again when leaving the work area
Warnings	Keep out of reach of children; store away from foodstuffs, beverages and animal feed; avoid exposure by inhalation; avoid contact with skin, eyes, nose and mouth; and use appropriate personal protective equipment
Specific measures for safe handling	Ensure use by adults trained in handling the product only and keep away from children
Storage conditions	Store in closed original container. Ideally store below 35° C, do not exceed 45° C for more than 24 Hours. Do not allow to freeze.
Recommended packaging	Store in original packaging

SECTION 8: Exposure controls / Special protection		
Personal protective equipment		Use certified nitrile impermeable gloves CE (or equivalent) with a minimum thickness of 0.4 mm; EN166 protective goggles and appropriate Type 6 personal protective equipment and protective equipment.
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		Ensure all national and local regulations are observed
Personal		Protective goggles and gloves
Hand		Wear protective gloves
Eye protection		Chemical goggles or safety glasses
Skin and body		N/A
Respiratory		N/A
Thermal hazard		N/A
Other		N/A

Exposure controls, appropriate measures:

Personal protective equipment : Protective goggles and 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	
Liquid	Physical state active ingredients suspended in water
Appearance	Color: Amber to light tan
Specific Gravity (SG)	1.001 SG
pH	7.0 to 8.5
Flash point	Non-flammable
Solubility in water and other solvents	Not determined

SECTION 10: Stability and reactivity	
Stability	Stable under normal conditions of use
Conditions to avoid	Avoid extremely high or low temperatures in storage
Materials (incompatibility)	No known hazardous incompatibilities; when applied, dilute all other products being applied together before adding the AquaClean product to avoid degrading product performance
Hazardous decomposition	No known hazardous reactions under normal conditions of use, non-oxidizing
Hazardous toxic gas	Not known
Hazardous polymerization	None will occur

Section 11: Toxicological Information	
Toxicology	Product is a non-toxic, non-pathogenic mixture of naturally occurring bacteria in a water base
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

Information on toxicological effects:

Serious eye damage/irritation: Mild eye irritant
 Respiratory or skin sensitization: Not classified
 Germ 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:	Causes mild eye irritation
Symptoms/injuries after ingestion:	Ingestion may cause nausea and diarrhea

SECTION 12: Ecological information	
Instability	Product is stable
Persistence	No residual issues, all naturally occurring
Bioaccumulation	No residual issues, all naturally occurring
Behavioral / Environmental impact	None known
Ecotoxicity	None known

Section 13: Disposal Considerations	
Product disposal method	Safe to dispose product by washing down sewage drains with water, in accordance with local, state and federal requirements
Disposal of contaminated packaging	Use water to rinse application mixture from the container and repeat three times; thereafter, drill a hole into the container to prevent reuse; or alternatively apply detergent and water, shake container and empty for reuse

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 recycling or waste bins.

Section 14: Transport information	
Special handling	No special handling required Protect product from excessive heat

In accordance with ICAO/IATA/DOT/TDG

UN number

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

UN proper shipping name

Department of Transportation (DOT) Hazard Classes	N/A
DOT Special Provisions (49 CFR 172.102)	N/A

DOT Packaging Exceptions (49 CFR 173.xxx)	N/A
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DOT Packaging Non Bulk (49 CFR 173.xxx)	N/A
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DOT Packaging Bulk (49 CFR 173.xxx)	N/A
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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
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MFAG-No.	N/A
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Air transport

DOT Quantity limitations passenger aircraft/rail (49 CFR 173.27)	N/A
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DOT Quantity limitations cargo aircraft only (49 CFR 175.75)	N/A
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SECTION 15: Standards in effect

Product is all natural and exempt from EPA regulations	May be used without restriction in wastewater remediation programs, environmental clean ups and compost/manure management
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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

US State regulations

Beneficial bacteria 68920-42-3	
State or local regulations	None, N/A

Indication of changes	January 1, 2016
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Other information	This document has been prepared in accordance with the SDS requirements of the OSHA. Hazard Communication Standard 29 CFR 1910.1200.
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GHS full text phrases:

None	N/A
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

SECTION 16: Other information	
The data in this fact sheet were obtained from reliable sources. However, it is provided without express or implied warranty as to its accuracy or correctness. The opinions expressed are those of trained professionals who have provided the information.	Whereas the use of this information and the product is outside the control of the supplier, the company assumes no responsibility in this connection. Determining the conditions for safe use of the product is the user's responsibility.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.