

FOR ANY EMERGENCY, 24 HOURS / 7 DAYS, CALL:	1-800-654-6911 (OUTSIDE USA: 1-423-780-2970)
FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC®:	1-800-424-9300 (OUTSIDE USA: 1-703-527-3887)
FOR ALL SDS QUESTIONS & REQUESTS, CALL:	1-800-511-MSDS (OUTSIDE USA: 1-423-780-2347)

PRODUCT NAME: **GLB FILTER CLEANSE**

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Supplier

**GLB**  
1400 Bluegrass Lakes Parkway ,  
Alpharetta, GA, 30004  
USA

Telephone: +17705215999  
Telefax: +17705215959  
Web: www.poolspacare.com

REVISION DATE:	05/26/2015
SUPERCEDES:	10/26/2010
MSDS Number:	000000024372
SYNONYMS:	
CHEMICAL FAMILY:	None
DESCRIPTION / USE	None established
FORMULA:	None established

### Manufacturer

Advantis Technologies  
1200 Bluegrass Lakes Parkway  
Alpharetta, GA 30004  
United States of America

## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Skin irritation : Category 2

Serious eye damage : Category 1

### GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements	:	H315 Causes skin irritation. H318 Causes serious eye damage.
Precautionary statements	:	<p><b>Prevention:</b>  P264 Wash skin thoroughly after handling.  P280 Wear eye protection/ face protection.  P280 Wear protective gloves.</p> <p><b>Response:</b>  P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.  P312 Call a POISON CENTER or doctor/ physician if you feel unwell.  P332 + P313 If skin irritation occurs: Get medical advice/ attention.  P362 Take off contaminated clothing and wash before reuse.</p> <p><b>Storage:</b>  P402 + P404 Store in a dry place. Store in a closed container.  P410 + P403 Protect from sunlight. Store in a well-ventilated place.</p> <p><b>Disposal:</b>  P501 Dispose of contents/container in accordance with local regulation.</p>

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>CAS OR CHEMICAL NAME</u>	<u>CAS #</u>	<u>% RANGE</u>
SULFURIC ACID, MONOSODIUM SALT	7681-38-1	80 - 85
Citric Acid	77-92-9	5 - 15
SULFURIC ACID DISODIUM SALT	7757-82-6	2 - 8
sodium dodecylbenzenesulfonate	25155-30-0	0 - 2

**SECTION 4. FIRST AID MEASURES**

Inhalation:	IF INHALED: Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops. If not breathing, give artificial respiration. Call for medical assistance.
Skin Contact:	IF ON SKIN: Immediately flush skin with plenty of water for 15 minutes. If clothing comes in contact with the product, the clothing should be removed immediately and laundered before re-use. Seek medical attention.
Eye Contact:	IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention immediately.
Ingestion:	IF SWALLOWED: Call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person.

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## SECTION 5. FIREFIGHTING MEASURES

Flammability Summary (OSHA): Product is not known to be flammable, combustible, pyrophoric or explosive.

### Flammable Properties

Fire / Explosion Hazards:	Material will not ignite or burn.
Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Fire Fighting Instructions:	Use water spray to cool unopened containers. In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include a NIOSH approved self-contained breathing apparatus.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations:	Additional protective clothing must be worn to prevent personal contact with this material. Those items include but are not limited to boots, impervious gloves, hard hat, splash-proof goggles, impervious clothing, i.e., chemically impermeable suit, self-contained breathing apparatus.
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### Spill Mitigation Procedures

Air Release:	Keep people away from and upwind of spill/leak.
Water Release:	If the product contaminates rivers and lakes or drains inform respective authorities.
Land Release:	Sweep up and shovel into suitable containers for disposal. Avoid creating dust.
Additional Spill Information :	Prevent further leakage or spillage if safe to do so. Use personal protective equipment as required. Evacuate personnel to safe areas.

## SECTION 7. HANDLING AND STORAGE

Handling: Keep container closed when not in use. Avoid contact with skin, eyes and clothing.  
 Storage: Store in a cool dry place. Keep out of reach of children.  
 Incompatible Materials for Storage: Keep away from metals.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Local exhaust ventilation is recommended if significant dusting occurs. Otherwise use general exhaust ventilation.

### Protective Equipment for Routine Use of Product

Respiratory Protection : If dusting occurs, wear a NIOSH approved respirator., Wear a NIOSH approved N95 respirator.  
 Skin Protection : Avoid contact with skin. Impervious gloves  
 Eye Protection: Chemical resistant goggles must be worn.  
 Protective Clothing Type: impervious clothing, Butyl rubber, Neoprene  
 General Protective Measures: Ensure that eyewash stations and safety showers are close to the workstation location.

### **Components with workplace control parameters**

no data available

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	solid
Form	No data.
Color:	purple
Odor:	slight
Molecular Weight:	None established
pH :	< 1.0 ( ) 10 g/l (as aqueous solution)
Boiling Point:	219.9 °F (104.4 °C)
Melting point/freezing point	Not applicable
Bulk Density:	( ) no data available
Vapor Pressure:	no data available
Vapor Density:	Not applicable
Viscosity:	no data available
Solubility in Water:	300 g/l 68 °F (20 °C)

Partition coefficient n-octanol/water:	Not applicable
Evaporation Rate:	Not applicable
Oxidizing:	None established
Volatiles, % by vol.:	no data available
VOC Content	no data available This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489). This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.
HAP Content	Not applicable

## SECTION 10. STABILITY AND REACTIVITY

Stability and Reactivity Summary:	Stable under normal conditions.
Conditions to Avoid:	Heat
Chemical Incompatibility:	Oxidizing agents, Cyanides, Sulphides, Bases
Hazardous Decomposition Products:	Sulphur oxides, Other hazardous decomposition products may be formed.
Decomposition Temperature:	No data

## SECTION 11. TOXICOLOGICAL INFORMATION

### Component Animal Toxicology

#### Oral LD50 value:

SULFURIC ACID, MONOSODIUM SALT	LD50	Believed to be	2,800 mg/kg	Rat
Citric Acid	LD50	=	3,000 mg/kg	Rat
SULFURIC ACID DISODIUM SALT	LD50	=	5,989 mg/kg	Mouse
	LD50	Believed to be >	10,000 mg/kg	Rat
sodium dodecylbenzenesulfonate	LD50	=	438 mg/kg	Rat

### Component Animal Toxicology

#### Dermal LD50 value:

SULFURIC ACID, MONOSODIUM SALT	No data
Citric Acid	LD50 Believed to be > 2,000 mg/kg Rabbit
SULFURIC ACID DISODIUM SALT	no data available
sodium dodecylbenzenesulfonate	no data available

### Component Animal Toxicology

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Inhalation LC50 value:

SULFURIC ACID, MONOSODIUM SALT No data  
Citric Acid no data available

SULFURIC ACID DISODIUM SALT no data available  
sodium dodecylbenzenesulfonate no data available

Product Animal Toxicity

Oral LD50 value: Believed to be > 3,000 mg/kg

Dermal LD50 value: Believed to be > 2,000 mg/kg

Inhalation LC50 value: No data.

Skin Irritation: DRY MATERIAL CAUSES MODERATE SKIN IRRITATION., WET MATERIAL CAUSES SKIN BURNS.

Eye Irritation: Corrosive to eyes

Skin Sensitization: Not believed to be sensitising to skin.

Subchronic / Chronic Toxicity: There are no known or reported effects to humans from repeated exposure to this product.

Reproductive and Developmental Toxicity: Not known or reported to cause reproductive or developmental toxicity.

Citric Acid This chemical has been tested in laboratory animals and there was no evidence of reproductive toxicity or teratogenicity.

sodium dodecylbenzenesulfonate This chemical has been tested in laboratory animals and there was no evidence of reproductive toxicity, teratogenicity, or developmental toxicity.

Mutagenicity: Not known or reported to be mutagenic.

Citric Acid This product was determined to be non-mutagenic in the Ames assay. It was also shown to be negative in the Dominant lethal assay.

SULFURIC ACID DISODIUM SALT This product was determined to be non-mutagenic in the Ames assay., This product has been shown to be negative for cell transformation in the Syrian hamster embryo (SA7/SHE) cell assay.

sodium dodecylbenzenesulfonate This product was determined to be non-mutagenic in the Ames assay.

Carcinogenicity: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

Citric Acid The carcinogenicity has been evaluated through animal study and it was found not to be carcinogenic.

sodium dodecylbenzenesulfonate The carcinogenicity has been evaluated through animal

study and it was found not to be carcinogenic.

## SECTION 12. ECOLOGICAL INFORMATION

Overview: No data for product. Individual constituents are as follows:

### Ecological Toxicity Values for: Citric Acid

- |  |                                    |
|--|------------------------------------|
| Lepomis macrochirus (Bluegill sunfish) | - (static). 96 h LC50 = 1,516 mg/l |
| Daphnia magna (Water flea)             | - 72 h EC50 Approximately 120 mg/l |

### Ecological Toxicity Values for: SULFURIC ACID DISODIUM SALT

- |  |                           |
|--|---------------------------|
| Lepomis macrochirus (Bluegill sunfish) | - 96 h LC50 = 12,750 mg/l |
| Pimephales promelas (fathead minnow)   | - 96 h LC50 = 7,960 mg/l  |
| Gambusia affinis (Mosquito fish)       | - 96 h LC50 = 3,710 mg/l  |
| Daphnia magna (Water flea)             | - 48 h LC50= 2,564 mg/l   |
| Ceriodaphnia dubia                     | - 48 h LC50= 3,080 mg/l   |

### Ecological Toxicity Values for: sodium dodecylbenzenesulfonate

- |  |                        |
|--|------------------------|
| Oncorhynchus mykiss (rainbow trout)    | - 96 h LC50 = 3.2 mg/l |
| Lepomis macrochirus (Bluegill sunfish) | - 96 h LC50 = 2.8 mg/l |
| Daphnia magna (Water flea)             | - 48 h LC50= 9.4 mg/l  |

## SECTION 13. DISPOSAL CONSIDERATIONS

**CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.**

Waste Disposal Summary : If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

Disposal Methods : As a nonhazardous waste, it should be disposed of in accordance with local, state and federal regulations.

Potential US EPA Waste Codes : LONZA-N09.00602550

## SECTION 14. TRANSPORT INFORMATION

### DOT

Not dangerous goods

### TDG

Not dangerous goods

### IATA

Not dangerous goods

### IMDG-CODE

Not dangerous goods

## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
sodium dodecylbenzenesulfonate	25155-30-0	1000	

#### SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).



This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

**Clean Water Act**

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

sodium dodecylbenzenesulfonate	25155-30-0	1.1197 %
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The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

sodium dodecylbenzenesulfonate	25155-30-0	1.1197 %
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This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

**US State Regulations**

**Massachusetts Right To Know**

Sodium sulphate	7757-82-6
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**Pennsylvania Right To Know**

Sodium hydrogensulphate	7681-38-1
Citric acid	77-92-9
Sodium sulphate	7757-82-6

**New Jersey Right To Know**

Sodium hydrogensulphate	7681-38-1
Citric acid	77-92-9
Sodium sulphate	7757-82-6
sodium dodecylbenzenesulfonate	25155-30-0

**California Prop 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**The components of this product are reported in the following inventories:**

TSCA : The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

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**SECTION 16. OTHER INFORMATION**

SECTIONS REVISED: 1  
Major References : Available upon request.

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. ARCH CHEMICALS BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION BUT, MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MSDS IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT ARCH CHEMICALS MSDS CONTROL AT THE PHONE NUMBER ON THE FRONT PAGE TO MAKE CERTAIN THAT THIS DOCUMENT IS CURRENT. .