

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 MSDS QUESTIONS & REQUESTS, CALL:	1-800-511-MSDS (OUTSIDE USA: 1-423-780-2347)

**PRODUCT NAME: LEISURE TIME pH BALANCE PLUS**

## **1. PRODUCT AND COMPANY IDENTIFICATION**

**Supplier**  
**Leisure Time**  
**1400 Bluegrass Lakes Parkway ,**  
**Alpharetta, GA, 30004**  
**United States**

**Telephone: +17705215999**  
**Telefax: +17705215959**  
**Web: www.poospacare.com**

REVISION DATE:	10/26/2010
SUPERCEDES:	06/12/2009
MSDS Number:	000000012453
SYNONYMS:	
CHEMICAL FAMILY:	None
DESCRIPTION / USE	None established
FORMULA:	None established

**Manufacturer**  
**Advantis Technologies**  
**1400 Bluegrass Lakes Parkway**  
**Alpharetta, GA 30004**  
**United States of America**

## **2. HAZARDS IDENTIFICATION**

OSHA Hazard  
Classification:

**This product is not considered to be hazardous under OSHA 29 CFR  
1910.1200.**

Routes of Entry:  
Chemical Interactions:  
Medical Conditions Aggravated:

Eyes Skin  
No known interactions  
None known.

#### Human Threshold Response Data

Odor Threshold                      Not established.

Irritation Threshold                Not established.

#### **Hazardous Materials Identification System / National Fire Protection Association Classifications**

<u>Hazard Ratings :</u>	<u>Health</u>	<u>Flammability</u>	<u>Physical / Instability</u>	<u>PPI / Special hazard.</u>
HMIS	1	0	0	
NFPA	1	0	0	

#### Immediate (Acute) Health Effects

Inhalation Toxicity:                Not expected to cause irritation. Not expected to be toxic by inhalation.

Skin Toxicity:                        May cause mild skin irritation.

Eye Toxicity:                        May cause mild eye irritation.

Ingestion Toxicity:                Not expected to be toxic by ingestion. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Acute Target Organ Toxicity:      Eyes, Skin

#### Prolonged (Chronic) Health Effects

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

Reproductive and Developmental Toxicity:    There are no known or reported effects on reproductive function or fetal development.

Inhalation:                        There are no known or reported effects from chronic exposure.

Skin Contact:                      There are no known or reported effects from chronic exposure.

Ingestion:                        There are no known or reported effects from chronic exposure.

Sensitization:                    Not expected to be a skin sensitizer.

Chronic Target Organ Toxicity:    None known

Supplemental Health Hazard Information :                    No additional health information available.

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

<u>CAS OR CHEMICAL NAME</u>	<u>CAS #</u>	<u>% RANGE</u>
Sodium carbonate	497-19-8	

Boric acid

10043-35-3

## 4. FIRST AID MEASURES

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Inhalation:	IF INHALED: Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops.
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: Immediately drink water to dilute. Seek medical attention if symptoms develop. Never give anything by mouth to an unconscious person.

## 5. FIRE FIGHTING MEASURES

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Flammability Summary (OSHA): The product is not flammable., Not combustible., The substance or mixture is not classified as pyrophoric., Not explosive

### Flammable Properties

Fire / Explosion Hazards:	Will not 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.

## 6. ACCIDENTAL RELEASE MEASURES

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Personal Protection for Emergency Situations: Use the personal protective equipment recommended in Section 8 and a NIOSH approved self-contained breathing apparatus.

### Spill Mitigation Procedures

Air Release:	not applicable
Water Release:	If the product contaminates rivers and lakes or drains inform respective authorities.soluble

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.

## 7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing.

Storage: Keep tightly closed in a dry, cool and well-ventilated place. Store in original container. Keep out of reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Use local exhaust ventilation to maintain levels below exposure limits.

### Protective Equipment for Routine Use of Product

Respiratory Protection : Wear a NIOSH approved respirator if levels above the exposure limits are possible., Wear a NIOSH approved N95 respirator.

Skin Protection : Avoid contact with skin. Impervious gloves

Eye Protection: Use safety glasses with side shields.

Protective Clothing Type: impervious clothing

General Protective Measures: Ensure that eyewash stations and safety showers are close to the workstation location.

### Exposure Limit Data

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>Name of Limit</u>	<u>Exposure</u>
Boric acid	10043-35-3	ACGIH	2 mg/m3 TWA Inhalable fraction. See Appendix C, paragraph A. Inhalable Particulate Mass TLVs (IPM-TLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract., ACGIH 2005 Adoption, Refers to Appendix A -- Carcinogens.

Boric acid	10043-35-3	ACGIH	6 mg/m <sup>3</sup> STEL Inhalable fraction. See Appendix C, paragraph A. Inhalable Particulate Mass TLVs (IPM-TLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract., ACGIH 2005 Adoption, Refers to Appendix A -- Carcinogens.
Boric acid	10043-35-3	ACGIH	2 mg/m <sup>3</sup> TWA Inhalable fraction
Boric acid	10043-35-3	ACGIH	6 mg/m <sup>3</sup> STEL Inhalable fraction

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	solid
Form	powder
Color:	white
Odor:	No data.
Molecular Weight:	None established
Specific Gravity :	no data available
pH :	7.0 - 8.0
	10 g/l (as aqueous solution)
Boiling Point:	not applicable
Freezing Point:	no data available
Melting Point:	no data available
Density:	
Bulk Density:	1,510 kg/m <sup>3</sup>
Vapor Pressure:	no data available
Vapor Density:	not applicable
Viscosity:	no data available
Solubility in Water:	soluble
Partition coefficient n-octanol/water:	no data available
Evaporation Rate:	not applicable
Oxidizing:	None established
Volatiles, % by vol.:	no data available
VOC Content	no data available

HAP Content

Not applicable

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## 10. STABILITY AND REACTIVITY

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Stability and Reactivity Summary:	Stable under normal conditions.
Conditions to Avoid:	Heat.
Chemical Incompatibility:	Reducing agents, Corrodes base metals., Reaction with strong reducing agents, such as metal hydrides or alkali metals, will generate hydrogen gas, which could create an explosive hazard.
Hazardous Decomposition Products:	No hazardous decomposition products are known.
Decomposition Temperature:	No data

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## 11. TOXICOLOGICAL INFORMATION

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### Component Animal Toxicology

#### Oral LD50 value:

Sodium carbonate	LD50	= 4,090 mg/kg	rat
Boric acid	LD50	= 2,600 - 4,100 mg/kg	rat

### Component Animal Toxicology

#### Dermal LD50 value:

Sodium carbonate	LD50	Believed to be > 2,000 mg/kg	rabbit
Boric acid	LD50	> 2,000 mg/kg	rabbit

### Component Animal Toxicology

#### Inhalation LC50 value:

Sodium carbonate	LC50 1 h	= 4.6 MG/L	rat
Boric acid	LC50 4 h	> 2.03 MG/L	rat

### Product Animal Toxicity

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

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

Inhalation LC50 No data.

#### value:

Skin Irritation: May cause mild skin irritation.

Eye Irritation: May cause mild eye irritation.

Skin Sensitization: Not believed to be sensitising to skin.

Subchronic / Chronic Toxicity: There are no known or reported effects from chronic exposure.

Reproductive and Developmental Toxicity:	Not known or reported to cause reproductive or developmental toxicity.	
	Sodium carbonate	This chemical has been tested in laboratory animals and no evidence of teratogenicity was seen.
	Boric acid	This chemical has been evaluated in several laboratory animal species and in only one species was found to cause fetotoxicity at maternally toxic doses.
Mutagenicity:	Not known or reported to be mutagenic.	
	Sodium carbonate	This product was determined to be non-mutagenic in the Ames assay. It was also shown to be non-clastogenic in the chromosomal aberration test.
	Boric acid	This product has been shown to be non-mutagenic based on a battery of assays.
Carcinogenicity:	This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.	
	Boric acid	This material did not cause cancer in long-term animal studies.

## 12. ECOLOGICAL INFORMATION

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

### Ecological Toxicity Values for: Sodium carbonate

Fathead minnow (Pimephales promelas),	-	(nominal, static). 96 h LC50 < 850 mg/l
Bluegill	-	(nominal, static). 96 h LC50 = 320 mg/l
Mosquito fish	-	(nominal, static). 96 h LC50 = 740 mg/l
Daphnia magna,	-	(nominal, static). 48 h LC50= 265 mg/l
Ceriodaphnia dubia	-	(nominal) 48 h EC50= 199.82 mg/l
Navicula seminulum (diatom)	-	(nominal, static). 96 h EC50 = 242 mg/l

### Ecological Toxicity Values for: Boric acid

Rainbow trout (Oncorhynchus mykiss)	-	96 h LC50 > 800 mg/l
Bluegill	-	96 h LC50 > 1,021 mg/l
Daphnia magna,	-	48 h EC50= 133 mg/l

## 13. DISPOSAL CONSIDERATIONS

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

Potential US EPA Waste Codes : not applicable

## 14. TRANSPORT INFORMATION

Land (US DOT): Not Regulated NOT REGULATED AS A DOT HAZARDOUS MATERIAL  
Water (IMDG): NOT REGULATED AS A HAZARDOUS MATERIAL,

Air (IATA): NOT REGULATED AS A HAZARDOUS MATERIAL,  
Emergency Response Guide Number: Not applicable

## 15. REGULATORY INFORMATION

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### UNITED STATES:

Toxic Substances Control Act (TSCA): The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

EPA Pesticide Registration Number: None established

FIFRA Listing of Pesticide Chemicals (40 CFR 180): Not registered in the US under FIFRA.

### Superfund Amendments and Reauthorization Act (SARA) Title III:

Hazard Categories Sections 311 / 312 (40 CFR 370.2):



Health	None
Physical	None

**Emergency Planning & Community Right to Know (40 CFR 355, App. A):**

**Extremely Hazardous Substance Section 302 - Threshold Planning Quantity:**

ZUS_SAR302	TPQ (threshold planning quantity)	None established
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**Reportable Quantity (49 CFR 172.101, Appendix):**

ZUS_CERCLA	Reportable quantity	None established
ZUS_SAR302	Reportable quantity	None established

**Supplier Notification Requirements (40 CFR 372.45), 313 Reportable Components**

ZUS_SAR313	De minimis concentration	None established
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**Clean Air Act Toxic ARP Section 112r:**

CAA 112R	None established
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**Clean Air Act Socmi:**

HON SOC	None established
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**Clean Air Act VOC Section 111:**

CAA 111	None established
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**Clean Air Act Haz. Air Pollutants Section 112:**

ZUS_CAAHAP	None established
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ZUS_CAAHRP	None established
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CAA AP	None established
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**State Right-to-Know Regulations Status of Ingredients**

**Pennsylvania:**

CAS #	COMPONENT NAME
ZUSPA_RTK	None established

**New Jersey:**

CAS #	COMPONENT NAME
ZUSNJ_RTK	None established

**Massachusetts:**

CAS #	COMPONENT NAME
ZUSMA_RTK	None established

**California Proposition 65:**

CAS #	COMPONENT NAME
ZUSCA_P65	None established

**WHMIS Hazard Classification:**

Ingredient Disclosure List (WHMIS)  
2007-08-24  
Threshold limits: 1 Weight percent  
392  
Sodium carbonate

**16. OTHER INFORMATION**

MSDS REVISION STATUS :  
SECTIONS REVISED:               First formulated version in SAP.  
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. .