

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 RENEW****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: 07/30/2012  
SUPERCEDES: 07/26/2011  
MSDS Number: 000000012595  
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:

**Corrosive to eyes, Corrosive to skin, Oxidizer, Moderate respiratory irritant**

Routes of Entry:	Eyes Skin Inhalation Ingestion
Chemical Interactions:	No known interactions
Medical Conditions Aggravated:	Asthma, respiratory and cardiovascular disease, Skin diseases including eczema and sensitization      None known.

Human Threshold Response Data

Odor Threshold                      Not established for product.

Irritation Threshold                Not established for product.

**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	3	0	0	
NFPA	3	0	1	Oxidizer

Immediate (Acute) Health Effects

Inhalation Toxicity:                Causes respiratory tract irritation. Not expected to be toxic by inhalation.

Skin Toxicity:                        Causes skin burns. Not expected to be toxic from dermal contact.

Eye Toxicity:                         Causes eye burns.

Ingestion Toxicity:                 Harmful if swallowed. Causes digestive tract burns.

Acute Target Organ Toxicity:        Eyes, Skin, Respiratory Tract, Gastrointestinal tract

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:        Not known or reported to cause reproductive or developmental toxicity.

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 ingestion except for effects similar to those experienced from single exposure.

Eye Contact:                         Prolonged contact may result in permanent damage.

Sensitization:                        May cause allergic skin sensitization in some individuals.

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

Supplemental Health Hazard Information :                                no data available

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

---

<u>CAS OR CHEMICAL NAME</u>	<u>CAS #</u>	<u>% RANGE</u>
POTASSIUM BISULFATE	7646-93-7	
POTASSIUM PEROXYDISULFATE	7727-21-1	
MAGNESIUM CARBONATE	546-93-0	

### 4. FIRST AID MEASURES

---

General Advice:	Call a physician immediately.
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 if irritation develops.
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.

### 5. FIRE FIGHTING MEASURES

---

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 Will release oxygen when heated, intensifying a fire  
Extinguishing Media: Water  
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

---

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.

### 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.

## 7. HANDLING AND STORAGE

---

Handling:

Do not take internally. Avoid contact with skin, eyes and clothing. If in eyes or on skin, rinse well with water. Avoid breathing dust.

Storage:

Store in a cool dry ventilated location, away from sources of ignition or other incompatible conditions and chemicals. Keep container(s) closed. Keep containers dry and tightly closed to avoid moisture absorption and contamination.

Incompatible Materials for Storage:

Refer to Section 10, "Incompatible Materials."

Empty Container Warning:

Empty containers retain hazardous residue, dispose of accordingly.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

---

Ventilation:

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure limit.

### 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., A NIOSH approved full-face or half-face respirator in combination with chemical goggles.

Skin Protection : Avoid contact with skin. Impervious gloves Boots Apron A full impervious suit is recommended if exposure is possible to a large portion of the body.

Eye Protection: Chemical resistant goggles must be worn.

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>
POTASSIUM PEROXYDISULFATE	7727-21-1	ACGIH	0.1 mg/m <sup>3</sup> TWA 1996 Adoption
MAGNESIUM CARBONATE	546-93-0	OSHA Z1	15 mg/m <sup>3</sup> TWA total dust
MAGNESIUM CARBONATE	546-93-0	OSHA Z1	5 mg/m <sup>3</sup> TWA respirable fraction

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	solid
Form	No data.
Color:	white
Odor:	ODORLESS
Molecular Weight:	None established
Specific Gravity :	1.2
	20 °C
pH :	2.3
	10 g/l
Boiling Point:	not applicable
Freezing Point:	no data available
Melting Point:	no data available
Density:	No data.
Bulk Density:	no data available
Vapor Pressure:	no data available
Vapor Density:	Not volatile
Viscosity:	not applicable no data available
Solubility(ies):	256.0 g/l
	20.0 °C

Solubility in Water:	250 g/l 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
HAP Content	Not applicable

## 10. STABILITY AND REACTIVITY

---

Stability and Reactivity Summary:	Stable under normal conditions.
Conditions to Avoid:	Heat.
Chemical Incompatibility:	Halides, Heavy metals, Cyanides, Oxidizing agents
Hazardous Decomposition Products:	Decomposes when heated or dampened, releasing oxygen and heat
Decomposition Temperature:	No data

## 11. TOXICOLOGICAL INFORMATION

---

### Component Animal Toxicology

#### Oral LD50 value:

POTASSIUM BISULFATE LD50 = 2,340 mg/kg rat

### Product Animal Toxicity

#### Oral LD50 value:

LD50 = 2,000 mg/kg rat

#### Dermal LD50 value:

LD50 > 11,000 mg/kg rabbit

#### Inhalation LC50

LC50 4 h > 5.0 mg/l rat

#### value:

#### Skin Irritation:

Corrosive to skin

#### Eye Irritation:

Corrosive to eyes

#### Skin Sensitization:

May cause allergic skin sensitization in some individuals.

#### Subchronic / Chronic Toxicity:

Not known or reported to cause subchronic or chronic toxicity.

#### Reproductive and

Not known or reported to cause reproductive or developmental toxicity.

Developmental Toxicity:

Mutagenicity: This product has been tested for mutagenicity. Tests revealed both positive and negative results.

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

## 12. ECOLOGICAL INFORMATION

Overview: Moderately toxic to fish and other aquatic organisms.

### Ecological Toxicity Values - Product:

Oncorhynchus mykiss (rainbow trout)	- 96 h LC50 = 53 mg/l
Daphnia magna (Water flea)	- 48 h EC50= 3.5 mg/l

### Ecological Toxicity Values for: **POTASSIUM PEROXYDISULFATE**

Cyprinus carpio (Carp)	- 48 h LC50 = 1,360 mg/l
Oncorhynchus mykiss (rainbow trout)	- 48 h LC50 = 234 mg/l
Poecilia reticulata (guppy)	- 48 h LC50 = 845 mg/l
Daphnia magna (Water flea)	- 48 h LC50= 92 mg/l

## 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.

Potential US EPA Waste Codes : not applicable

## 14. TRANSPORT INFORMATION

Land (US DOT): UN3260 CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.  
(MONOPERSULFATE COMPOUND) 8 II  
Water (IMDG): UN3260 CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.,  
(MONOPERSULFATE COMPOUND) 8 II

Air (IATA): UN3260 CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.,  
(MONOPERSULFATE COMPOUND) 8 II  
Emergency Response Guide Number: ERG # 154

Transportation Notes: Under specific circumstances, this product can ship under two transport exceptions, Limited Quantity or Consumer Commodity. See Bill of Lading for proper shipping description.

## 15. REGULATORY INFORMATION

### 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 Immediate (Acute) Health Hazard  
Physical Fire Hazard

### 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

#### 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

**Clean Air Act Toxic ARP Section 112r:**

CAA 112R None established

**Clean Air Act Socmi:**

HON SOC None established

**Clean Air Act VOC Section 111:**

CAA 111 None established

**Clean Air Act Haz. Air Pollutants Section 112:**

ZUS\_CAAHAP None established

ZUS\_CAAHRP None established

CAA AP None established

**State Right-to-Know Regulations Status of Ingredients**
**Pennsylvania:**

CAS #	COMPONENT NAME
7727-21-1	POTASSIUM PEROXYDISULFATE

ZUSPA\_RTK

Pennsylvania: Hazardous substance list

1989-08-11

PEROXYDISULFURIC ACID ([[HO)S(O)2]2O2), DIPOTASSIUM SALT

**New Jersey:**

CAS #	COMPONENT NAME
546-93-0	MAGNESIUM CARBONATE
7646-93-7	POTASSIUM BISULFATE
7727-21-1	POTASSIUM PEROXYDISULFATE

ZUSNJ\_RTK

New Jersey Right to Know Hazardous Substance List (RTK-HSL)

2007-03-01

MAGNESITE CARBONIC ACID, MAGNESIUM SALT (1:1)

New Jersey Right to Know Hazardous Substance List (RTK-HSL)

2007-03-01

POTASSIUM HYDROGEN SULFATE POTASSIUM BISULFATE SULFURIC ACID,  
MONOPOTASSIUM SALT

Special Health Hazard - Corrosive

New Jersey Right to Know Hazardous Substance List (RTK-HSL)

2007-03-01

POTASSIUM PERSULFATE PEROXYDISULFURIC ACID, (((HO)S(O)2]2O2),  
DIPOTASSIUM SALT

**Massachusetts:**

CAS #	COMPONENT NAME
546-93-0	MAGNESIUM CARBONATE
7727-21-1	POTASSIUM PEROXYDISULFATE

ZUSMA\_RTK

Massachusetts Right to Know List of Chemicals and Hazard Classifications

1991-07-01

MAGNESITE DUST

massachusetts hazardous substance

Massachusetts Right to Know List of Chemicals and Hazard Classifications

1993-04-24

POTASSIUM PERSULFATE

**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

1513

Potassium hydrogen sulfate

Ingredient Disclosure List (WHMIS)

1988-01-20

Threshold limits: 0.1 Weight percent  
1252  
PERSULFATE COMPOUNDS

## 16. OTHER INFORMATION

---

MSDS REVISION STATUS :  
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. .