

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: **LEISURE TIME RENEW TABS**

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Supplier Leisure Time 1400 Bluegrass Lakes Parkway , Alpharetta, GA, 30004 USA	REVISION DATE: 05/26/2015 SUPERCEDES: 10/26/2010
Telephone: +17705215959 Telefax: +17705215959 Web: www.poolspacare.com	MSDS Number: 000000024367 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

Oxidizing solids	:	Category 2
Skin corrosion	:	Category 1A
Skin sensitisation	:	Sub-category 1B
Serious eye damage	:	Category 1

GHS Label element

Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H272 May intensify fire; oxidiser. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.
Precautionary statements	:	<p>Prevention:</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P220 Keep/Store away from clothing/ combustible materials.</p> <p>P221 Take any precaution to avoid mixing with combustibles.</p> <p>P260 Do not breathe vapours.</p> <p>P264 Wash hands thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>Response:</p> <p>P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P302 + P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER or doctor/ physician.</p> <p>P321 Specific treatment (see supplemental first aid instructions on this label).</p> <p>P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.</p> <p>Storage:</p> <p>P405 Store locked up.</p> <p>Disposal:</p> <p>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>
Ingredient 642	PROPRIETARY	
POTASSIUM BISULFATE	7646-93-7	
POTASSIUM PEROXYDISULFATE	7727-21-1	
MAGNESIUM CARBONATE	546-93-0	
Magnesium stearate	557-04-0	

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.
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.

SECTION 5. FIREFIGHTING MEASURES

Flammability Summary (OSHA):	Product is not known to be flammable, combustible, pyrophoric or explosive.
<u>Flammable Properties</u>	
Flash Point:	No data.
Autoignition Temperature:	No data
Fire / Explosion Hazards:	May cause or intensify fire; oxidiser.
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.

Upper Flammable / Explosive Limit, No data
% in air:
Lower Flammable / Explosive Limit, No data
% in air:

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.

Spill Mitigation Procedures

Air Release: Keep people away from and upwind of spill/leak.
Water Release: Notify all downstream users of possible contamination. Divert water flow around spill if possible and safe to do so.
Land Release: Sweep up and place in suitable clean, dry containers for reclamation or later disposal. Avoid dust generation. Do not place spill materials back in their original containers.
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: Avoid contact with skin, eyes and clothing. Avoid breathing dust. Remove contaminated clothing and wash before reuse. Wear personal protective equipment.
Storage: Keep tightly closed in a dry, cool and well-ventilated place. Keep in a cool place away from oxidizing agents. Keep in a cool, well ventilated place away from acids. Keep out of reach of children.
Incompatible Materials for Storage: Refer to Section 10, "Incompatible Materials."

SECTION 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., NIOSH approved full-face air purifying respirator with an N95 filter. Air purifying respirators should not be used in oxygen deficient or IDLH atmospheres or if exposure concentrations exceed ten (10) times the published limit.

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. Face-shield

Protective Clothing Type: impervious clothing

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

Components with workplace control parameters

Components (CAS-No.)	Value	Control parameters	Basis (Update)
POTASSIUM PEROXYDISULFATE (7727-21-1) [as persulfate]	TWA	0.1 mg/m ³	ACGIH (02 2014)
Magnesium stearate (557-04-0)	TWA	10 mg/m ³	ACGIH (02 2014)

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: solid

Form: Mixture

Color: white

Odor: None

Molecular Weight: None established

pH :

Boiling Point: Not applicable

Melting point/freezing point: Decomposes

Density: Not applicable

Vapor Pressure: Not applicable

Vapor Density: Not volatile

Viscosity:

Solubility in Water: > 250 g/l
68 °F (20 °C)

Partition coefficient n-octanol/water:

Evaporation Rate: Not applicable

Oxidizing: None established

Volatiles, % by vol.: Not applicable

VOC Content: Not applicable 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., Product will not undergo hazardous polymerization.

Conditions to Avoid: Heat

Chemical Incompatibility: Strong oxidizing agents, Cyanides, Heavy metal salts, Bases

Hazardous Decomposition Products: Oxygen

Decomposition Temperature: No data

SECTION 11. TOXICOLOGICAL INFORMATION

Component Animal Toxicology

Oral LD50 value:

Ingredient 642	LD50 = 4,090 mg/kg	Rat
POTASSIUM BISULFATE	LD50 = 2,340 mg/kg	Rat
Magnesium stearate	LD50 = 10,000.0 mg/kg	Rat

Component Animal Toxicology

Dermal LD50 value:

Ingredient 642	LD50	Believed to be > 2,000 mg/kg	Rabbit
Magnesium stearate		no data available	

Component Animal Toxicology

Inhalation LC50 value:

Ingredient 642	LC50 1 h =	4.6 mg/l	Rat
Magnesium stearate		no data available	

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 value: No data.

Skin Irritation: Corrosive to skin

Eye Irritation: Corrosive to eyes

Skin Sensitization: May cause allergic skin sensitization.

Subchronic / Chronic Toxicity: May cause allergic skin sensitization.

Ingredient 642

Male rats were exposed to an aerosol of 2% aqueous solution of this chemical, 4 hr.day, 5 days/week for 3-1/2 months. No effect was observed at a concentration of

10 or 20 mg/cubic meter. At 70 mg/cubic meter weight gain was decreased and the lungs showed thickening of the intra-alveolar walls, hyperemia, and lymphoid infiltration., Repeated or prolonged skin contact with this product may cause dermatitis and blistering.

Reproductive and Developmental Toxicity:	Not known or reported to cause reproductive or developmental toxicity.
Ingredient 642	This chemical has been tested in laboratory animals and no evidence of teratogenicity was seen.
Mutagenicity:	Not known or reported to be mutagenic.
Ingredient 642	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.
Carcinogenicity:	This chemical is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

SECTION 12. ECOLOGICAL INFORMATION

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

Ecological Toxicity Values for: Ingredient 642

Pimephales promelas (fathead minnow)	- (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: 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

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 meets the criteria of a hazardous waste as defined under 40 CFR 261 and would have the following EPA hazardous waste number: D001. As a hazardous solid waste, it must be disposed of in accordance with local, state and federal regulations.

Potential US EPA Waste Codes : LONZA-N09.00602550

SECTION 14. TRANSPORT INFORMATION

DOT

UN number : 3260
 Description of the goods : Corrosive solid, acidic, inorganic, n.o.s.
 : (Potassium hydrogenperoxomonosulphate)
 Class : 8
 Packing group : II
 Labels : 8
 Emergency Response : 154
 Guidebook Number

TDG

UN number : 3260
 Description of the goods : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
 : (Potassium hydrogenperoxomonosulphate)
 Class : 8
 Packing group : II
 Labels : 8

IATA

UN number : 3260
 Description of the goods : Corrosive solid, acidic, inorganic, n.o.s.
 : (Potassium hydrogenperoxomonosulphate)
 Class : 8
 Packing group : II
 Labels : 8
 Packing instruction (cargo aircraft) : 863
 Packing instruction (passenger aircraft) : 859
 Packing instruction (passenger aircraft) : Y844

IMDG-CODE

UN number : 3260
Description of the goods : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
(Potassium hydrogenperoxomonosulphate)
Class : 8
Packing group : II
Labels : 8
EmS Number 1 : F-A
EmS Number 2 : S-B

SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know Act****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

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

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

Dipotassium peroxodisulphate	7727-21-1
Magnesium carbonate	546-93-0

Pennsylvania Right To Know

Sodium carbonate	497-19-8
Potassium hydrogensulphate	7646-93-7
Dipotassium peroxodisulphate	7727-21-1

New Jersey Right To Know

Sodium carbonate	497-19-8
Potassium hydrogensulphate	7646-93-7
Dipotassium peroxodisulphate	7727-21-1
Magnesium carbonate	546-93-0

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	: This is an EPA registered pesticide.
	: Boric Acid gran tech

Inventories

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

SECTION 16. OTHER INFORMATION

SECTIONS REVISED: 1, 11, 12
Major References : Available upon request.

SAFETY DATA SHEET

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. .