

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 ENZYME**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: 05/05/2011
SUPERCEDES: 06/12/2009

MSDS Number: 000000012568
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 material is not hazardous under the criteria of the Federal OSHA Hazard
Communication Standard 29CFR 1910.1200.**

Routes of Entry:	This product will not exert a significant adverse effect to health from any route of exposure.
Chemical Interactions:	None known.
Medical Conditions Aggravated:	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	0	0	0	
NFPA	0	0	0	

Immediate (Acute) Health Effects

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

Skin Toxicity: Not expected to cause irritation. Not expected to be toxic from dermal contact.

Eye Toxicity: Not expected to be irritating.

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

Acute Target Organ Toxicity: There are no known or reported target organ effects from acute exposure.

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.

Skin Absorption: 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.

Sensitization: This material is not known or reported to be a skin or respiratory sensitizer.

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

Supplemental Health Hazard Information : No additional health information available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CAS OR CHEMICAL NAME

CAS #

% RANGE

No ingredients are hazardous according to HCS criteria.

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: Flush skin with water for 15 minutes. Take off all contaminated clothing. Seek medical attention if irritation develops.

Eye Contact: IF IN EYES: Flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops.

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

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: 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: 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.

Land Release: Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Do not contaminate ponds, waterways or ditches with chemical or used container.

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. Do not take internally. If in eyes or on skin, rinse well with water.

Storage: Store in a cool, dry and well ventilated place. Isolate from incompatible materials.

Incompatible Materials for Storage: Refer to Section 10, "Incompatible Materials."

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: No exposure limits exist for the constituents of this product. Additional ventilation beyond that of general exhaust is not normally required.

Protective Equipment for Routine Use of Product

Respiratory Protection : Respiratory protection not normally needed.
Skin Protection : Impervious gloves
Eye Protection: Safety glasses with side-shields
Protective Clothing Type: impervious clothing

Exposure Limit Data

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>Name of Limit</u>	<u>Exposure</u>
No Data Found			

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: liquid
Form: No data.
Color: No data.
Odor: No data.
Molecular Weight: None established
Specific Gravity : 0.99 - 1.1
20 °C

pH :	6.0 - 8.0
Boiling Point:	100 °C 212 °F
Freezing Point:	not applicable
Melting Point:	not applicable
Density:	not applicable
Bulk Density:	no data available
Vapor Pressure:	no data available
Vapor Density:	not applicable
Viscosity:	no data available
Solubility in Water:	soluble in cold water
Partition coefficient n-octanol/water:	Not applicable
Evaporation Rate:	
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:	None known.
Hazardous Decomposition Products:	None known
Decomposition Temperature:	No data

11. TOXICOLOGICAL INFORMATION

Product Animal Toxicity

<u>Oral LD50 value:</u>	LD50	Believed to be > 5,000 mg/kg	rat
<u>Dermal LD50 value:</u>	LD50	Believed to be > 2,000 mg/kg	rabbit
<u>Inhalation LC50</u>	LC50	no data available	

LEISURE TIME ENZYME

REVISION DATE : 05/05/2011

Page 5 of 14

value:

Skin Irritation: Not expected to cause irritation.
Eye Irritation: Not Irritating to the Eyes
Skin Sensitization: This material is not known or reported to be a skin or respiratory sensitizer.

Acute Toxicity: There are no known or reported target organ effects from acute exposure.
Subchronic / Chronic Toxicity: Not known or reported to cause subchronic or chronic toxicity.

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

Mutagenicity: Not known or reported to be mutagenic.

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: There is no data available for this product.

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. 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

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

Reportable Quantity (49 CFR 172.101, Appendix):

ZUS_CERCLA Reportable quantity Sodium hydroxide
 Value: 1,000lbs
 Diethyl phthalate
 1,2-Benzenedicarboxylic acid, diethyl ester
 Value: 1,000lbs

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

US. EPA Hazardous Organic NESHAP (HON) Synthetic Organic Chemicals (40 CFR 63.100-.106, Table 1)

07 1999

Group III

BENZYL BENZOATE

Clean Air Act VOC Section 111:

CAA 111

US. EPA Clean Air Act (CAA) Section 111 SOCM I Intermediate or Final Volatile Organic Compounds (40 CFR 60.489)

01 1996

POLYETHYLENE GLYCOL 200

US. EPA Clean Air Act (CAA) Section 111 SOCM I Intermediate or Final Volatile Organic Compounds (40 CFR 60.489)

01 1996

PROPANOL, OXYBIS-

US. EPA Clean Air Act (CAA) Section 111 SOCM I Intermediate or Final Volatile Organic Compounds (40 CFR 60.489)

01 1996

BENZOIC ACID, PHENYLMETHYL ESTER

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
57-55-6	PROPYLENE GLYCOL
1310-73-2	SODIUM HYDROXIDE
25265-71-8	Dipropylene glycol
84-66-2	Diethyl Phthalate

LEISURE TIME ENZYME

REVISION DATE : 05/05/2011

1317-65-3	Calcium Carbonate
	Starch High polymeric carbohydrate material usually derived from cereal grains such as corn, wheat and sorghum
	cis-hex-3-en-1-ol

ZUSPA_RTK

Pennsylvania: Hazardous substance list
1989-08-11
1,2-PROPANEDIOL

Pennsylvania: Hazardous substance list
1989-08-11
SODIUM HYDROXIDE
Environmental hazard

Pennsylvania: Hazardous substance list
1989-08-11
PROPANOL, OXYBIS-

Pennsylvania: Hazardous substance list
1989-08-11
1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER
Environmental hazard

Pennsylvania: Hazardous substance list
1989-08-11
LIMESTONE

Pennsylvania: Hazardous substance list
1990-01-01
STARCH
hazardous substance

Pennsylvania: Hazardous substance list
1989-08-11
STARCH

Pennsylvania: Hazardous substance list
1989-08-11
3-HEXEN-1-OL, (Z)-

New Jersey:

CAS #	COMPONENT NAME
107-75-5	HYDROXYCITRONELLAL
31906-04-4	4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde
120-51-4	BENZYL BENZOATE
103-95-7	3-p-Cumenyl-2-methylpropionaldehyde
106-22-9	CITRONELLOL
118-58-1	BENZYL SALICYLATE
80-54-6	LILIAL
101-86-0	alpha-Hexylcinnamaldehyde
1317-65-3	Calcium Carbonate
106-24-1	GERANIOL
84-66-2	Diethyl Phthalate
1310-73-2	SODIUM HYDROXIDE
57-55-6	PROPYLENE GLYCOL

ZUSNJ_RTK

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

1989-12-01
ALDEHYDES, n.o.s.
hazardous substance

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

1989-12-01
PERFUMERY PRODUCTS, WITH FLAMMABLE SOLVENT
hazardous substance

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

1989-12-01
ALDEHYDES, n.o.s.
hazardous substance

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

1989-12-01
PERFUMERY PRODUCTS, WITH FLAMMABLE SOLVENT
hazardous substance

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

1989-12-01
PERFUMERY PRODUCTS, WITH FLAMMABLE SOLVENT
hazardous substance

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

1989-12-01
ALDEHYDES, n.o.s.
hazardous substance

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

1989-12-01

PERFUMERY PRODUCTS, WITH FLAMMABLE SOLVENT
hazardous substance

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

1989-12-01

PERFUMERY PRODUCTS, WITH FLAMMABLE SOLVENT
hazardous substance

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

1989-12-01

ALDEHYDES, n.o.s.
hazardous substance

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

1989-12-01

PERFUMERY PRODUCTS, WITH FLAMMABLE SOLVENT
hazardous substance

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

1989-12-01

ALDEHYDES, n.o.s.
hazardous substance

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

1989-12-01

PERFUMERY PRODUCTS, WITH FLAMMABLE SOLVENT
hazardous substance

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

2007-03-01

CALCIUM CARBONATE LIMESTONE VALERITE MARBLE

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

1989-12-01

PERFUMERY PRODUCTS, WITH FLAMMABLE SOLVENT
hazardous substance

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

2007-03-01

DIETHYL PHTHALATE 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER DEP
ETHYL PHTHALATE

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

2007-03-01
 SODIUM HYDROXIDE SODIUM HYDROXIDE (Na(OH)) CAUSTIC SODA SODIUM
 HYDRATE
 Special Health Hazard - Corrosive

New Jersey Right to Know Hazardous Substance List (RTK-HSL)
 2007-03-01
 PROPYLENE GLYCOL 1,2-PROPANEDIOL

Massachusetts:

CAS #	COMPONENT NAME
1310-73-2	SODIUM HYDROXIDE
84-66-2	Diethyl Phthalate
1317-65-3	Calcium Carbonate
	Starch High polymeric carbohydrate material usually derived from cereal grains such as corn, wheat and sorghum

ZUSMA_RTK

Massachusetts Right to Know List of Chemicals and Hazard Classifications
 1993-04-24
 SODIUM HYDROXIDE

Massachusetts Right to Know List of Chemicals and Hazard Classifications
 1994-04-24
 1,2-BENZENEDICARBOXYLIC ACID DIETHYL ESTER
 massachusetts hazardous substance

Massachusetts Right to Know List of Chemicals and Hazard Classifications
 1994-04-01
 DIETHYL PHTHALATE 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER

Massachusetts Right to Know List of Chemicals and Hazard Classifications
 1994-04-01
 CALCIUM CARBONATE LIMESTONE MARBLE DUST

Massachusetts Right to Know List of Chemicals and Hazard Classifications
 1991-07-01
 MARBLE DUST
 massachusetts hazardous substance

Massachusetts Right to Know List of Chemicals and Hazard Classifications
 1991-07-01

STARCH DUST
massachusetts hazardous substance

Massachusetts Right to Know List of Chemicals and Hazard Classifications
1994-04-01
STARCH DUST (Dust)

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
1454
1,2-Propylene glycol

Ingredient Disclosure List (WHMIS)
2007-08-24
Threshold limits: 1 Weight percent
998
Sodium hydroxide

Ingredient Disclosure List (WHMIS)
2007-08-24
Threshold limits: 0.1 Weight percent
1417
Diethyl phthalate

Ingredient Disclosure List (WHMIS)
2007-08-24
Threshold limits: 1 Weight percent
185
Phenethyl alcohol

Ingredient Disclosure List (WHMIS)
2007-08-24
Threshold limits: 1 Weight percent
189
Lauryl aldehyde

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. .