



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: AB BACTI-KLEAR PELLETS**

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Supplier**  
Applied Biochemists (WI)  
W175 N11163 Stonewood Drive ,  
Suite 234  
Germantown, WI, 53022  
United States

Telephone: +12622554449  
Telefax: +12622554268  
Web: www.appliedbiochemists.com

REVISION DATE: 07/08/2011  
SUPERCEDES: 01/16/2008

MSDS Number: 000000012608  
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:	<b>Mild eye irritant, Possible skin sensitizer</b>
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Routes of Entry: Inhalation Ingestion Eyes Skin  
Chemical Interactions: None known.  
Medical Conditions Aggravated: Skin diseases including eczema and sensitization



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	2	0	0	
NFPA	2	0	0	

Immediate (Acute) Health Effects

Inhalation Toxicity:                      Not expected to be toxic by inhalation. Not expected to be an inhalation hazard at ambient conditions. Can cause mechanical irritation if dusts are generated.  
Skin Toxicity:                                Not expected to cause irritation. Not expected to be toxic from dermal contact.  
Eye Toxicity:                                 May cause eye irritation.  
Ingestion Toxicity:                         Not expected to be toxic by ingestion. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.  
Acute Target Organ Toxicity:             May cause mild eye irritation. Ingestion may cause mild gastrointestinal discomfort.

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:                                 Chronic exposure may cause dermatitis.  
Ingestion:                                     There are no known or reported effects from chronic ingestion except for effects similar to those experienced from single exposure.  
Sensitization:                                May cause allergic skin sensitization in some individuals.  
Chronic Target Organ Toxicity:           There are no known or reported target organ effects from chronic exposure.  
Supplemental Health Hazard Information :                                        This product contains living, non-pathogenic, bacteria. These bacteria may cause infection if this product comes in contact with open wounds or broken skin.



### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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<u>CAS OR CHEMICAL NAME</u>	<u>CAS #</u>	<u>% RANGE</u>
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Viabale Bacterial Cultures		>=
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### 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: 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

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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
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#### Flammable Properties

Fire / Explosion Hazards:	Will not burn
Extinguishing Media:	Water spray Carbon dioxide (CO2) Dry powder
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: 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. 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

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Handling: Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash off with water. Avoid inhalation of dust and fumes.  
Storage: Store in a cool, dry and well ventilated place. Do not store in direct sunlight. Keep containers tightly closed when not in use.  
Incompatible Materials for Storage: Refer to Section 10, "Incompatible Materials."

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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Ventilation: No exposure limits exist for the constituents of this product. Local exhaust ventilation is recommended if significant dusting occurs. Otherwise use general exhaust ventilation.

### Protective Equipment for Routine Use of Product

Respiratory Protection : Respiratory protection not normally needed. If dusting occurs, wear a NIOSH approved N95 dust respirator. Respiratory protection not normally needed., If dusting occurs, wear a NIOSH approved N95 dust respirator.  
Skin Protection : Impervious gloves When exposure to high concentrations are prolonged or repeated use protective boots and apron in addition to gloves.  
Eye Protection: 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>
No Data Found			

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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Physical State:	solid
Form	No data.
Color:	No data.
Odor:	No data.
Molecular Weight:	None established
Specific Gravity :	no data available
pH :	no data available
Boiling Point:	not applicable
Freezing Point:	no data available
Melting Point:	no data available
Density:	
Bulk Density:	no data available
Vapor Pressure:	no data available
Vapor Density:	no data available
Viscosity:	no data available
Solubility in Water:	slightly soluble
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**

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Stability and Reactivity Summary:	Stable under normal conditions.
Conditions to Avoid:	Heat.
Chemical Incompatibility:	Strong acids, alkalis
Hazardous Decomposition Products:	None known
Decomposition Temperature:	No data



## 11. TOXICOLOGICAL INFORMATION

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### Product Animal Toxicity

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

### value:

Skin Irritation: Not expected to cause irritation.  
Eye Irritation: May cause mild eye irritation.  
Skin Sensitization: May cause allergic skin sensitization in some individuals.

Acute Toxicity: May cause mild eye irritation. Ingestion may cause mild gastrointestinal discomfort. May cause mild eye irritation. Ingestion may cause mild gastrointestinal discomfort.

Subchronic / Chronic Toxicity: Not known or reported to cause subchronic or 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

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Overview: No aquatic toxicity data is available for this product.





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:**

None established

**16. OTHER INFORMATION**

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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. .