

# Material Safety Data Sheet

## E M E R G E N C Y

FOR CHEMICAL EMERGENCY: SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL  
CHEMTREC - DAY or NIGHT - (800) 424-9300

Product Name: **AB AQUA-PREP**

### SECTION I - GENERAL INFORMATION

Manufacturer's For: **APPLIED BIOCHEMISTS**  
A division of Advantis Technologies, Inc.  
W175 N11163 Stonewood Drive  
Suite 234  
Germantown, WI 53022-4799  
(800) 558-5106

Trade Name & Synonyms: **AB AQUA-PREP**  
Chemical Name & Synonyms: **ENZYME SOLUTION**  
Generic Description: **A CONCENTRATED NON-BACTERIAL, READILY BIODEGRADABLE ENZYMATIC SOLUTION**

Formula: **PROPRIETARY**

D.O.T. Proper Shipping Name: **NON HAZARDOUS**  
D.O.T. Hazard Class: **NOT REGULATED**  
U.N. or N.A. Identification #: **NOT HAZARDOUS**  
D.O.T. Emergency Response Guide No.: **NOT ASSIGNED**

Hazardous Mat'ls ID System Values (HMIS): Health - 0,1,2 Flammability - 0 Reactivity - 0 Personal Protection - B  
Nat'l Fire Protection Assn. (NFPA 704M): Health - 0 Flammability - 0 Reactivity - 0 Specific Hazard:

### SECTION II - HAZARDOUS INGREDIENTS

<u>Hazardous Component(s)</u>	<u>CAS#</u>	<u>PEL</u>	<u>TLV</u>
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AQUA-PREP is a proprietary composition "not considered hazardous" as defined in 29 CFR 1910.1200. Materials determined to be health hazards are listed if they comprise 1% or more of the composition. Materials identified as carcinogens are listed if they comprise 0.1% or more of the composition. Information on proprietary materials is available as provided in 29 CFR 1910.1200 (j) (1).

### SECTION III - PHYSICAL DATA

Vapor Pressure (mm Hg): <0.01 mm Hg @ 68°F (20°C)	Specific Gravity: 1.010-1.090 @ 77°F (25°C)
Vapor Density (air = 1): >1	% Volatile (by Volume): NEGLIGIBLE
Boiling Point (F): >212°F (100°C)	PH: 3.25-4.20 @ 77°F (25°C)
Flash Point: >212°F (100°C)	Viscosity: ~47.1-38.7 cps @ 77°F (25°C)
Freezing Point: <32°F (0°C)	Evaporation Rate: (*N-butyl acetate=1) <0.01
Solubility in Water: SOLUBLE	Weight: 8.4-9.1 lb./gallon (1.0-1.1 Kg/liter)
Appearance & Odor: TRANSLUCENT, DARK REDDISH-BROWN LIQUID WITH MILD ODOR	

### SECTION IV - FIRE & EXPLOSION DATA

Flash Point (F): >212°F (100°C) Method: OPEN CUP

Extinguishing Media: IN EVENT OF EXPOSURE TO FLAMES, DOUSE WITH WATER FOG, CARBON DIOXIDE, DRY CHEMICAL OR FOAM THOROUGHLY.

Special Fire Fighting Procedures: STANDARD EXTINGUISHING PROCEDURES WHERE APPLICABLE.

Unusual Fire & Explosion Hazards: NONE

### SECTION V - REACTIVITY DATA

Stability -            Unstable              X   Stable

Conditions to Avoid: STORAGE ABOVE 120°F (49°C) TO PREVENT PRODUCT DECOMPOSITION.

Incompatibility (Materials to Avoid): STRONG OXIDIZING AND REDUCING AGENTS.

Hazardous Decomposition Products: NONE

Hazardous Polymerization:            Will Occur              X   Will Not Occur

Conditions to Avoid: TEMPERATURES ABOVE 49°C.

**AB AQUA-PREP**
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**SECTION VI - HEALTH HAZARD DATA**  
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Acute Health Hazards: NOT ESTABLISHED  
 Chronic Health Hazards: NOT ESTABLISHED  
 Signs & Symptoms of Exposure: DIARRHEA, EYE, SKIN, TISSUE IRRITATION.  
 Medical Conditions Generally Aggravated by Exposure: NONE KNOWN

Chemical Listed as Carcinogen or Potential Carcinogen by:

National Toxicology Program:	Yes:	No:	<b>X</b>
I.A.R.C. Monographs:	Yes:	No:	<b>X</b>
O.S.H.A.	Yes:	No:	<b>X</b>

Emergency & First Aid Procedures: FOR PRINCIPLE ROUTE OF ENTRY, SEE APPROPRIATE EMERGENCY PROCEDURES BELOW.

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Route of Entry: Inhalation: REMOVE TO FRESH AIR.  
 Eyes: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION OCCURS.  
 Skin: FLUSH WITH SOAP AND WATER FOR 15 MINUTES. IF CLOTHING IS PENETRATED, IMMEDIATELY REMOVE CLOTHING AND FLUSH WITH WATER. WASH CLOTHES BEFORE REUSE. GET MEDICAL ATTENTION IF IRRITATION OCCURS.  
 Ingestion: IF INGESTED, GIVE 2 GLASSES OF WATER. DO NOT INDUCE VOMITING. IF SPONTANEOUS VOMITING IS INEVITABLE, PREVENT ASPIRATION BY KEEPING VICTIM'S HEAD BELOW KNEES. GET MEDICAL ATTENTION IMMEDIATELY.

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**SECTION VII - SPILL OR LEAK PROCEDURES**  
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Steps to be Taken in Case Material is Released or Spilled:  
 CONTAIN SPILL. PREVENT RUNOFF FROM ENTERING DRAINS, SEWERS OR STREAMS. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

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**SECTION VIII - SPECIAL PROTECTION AND CONTROL MEASURES**  
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Respiratory Protection (Specify Type): NOT REQUIRED

Ventilation - Local Exhaust:	ACCEPTABLE	Special Exhaust:	NOT REQUIRED
Mechanical Exhaust:	ACCEPTABLE	Other Exhaust:	NOT REQUIRED

Protective Equipment - Gloves:	RUBBER	Eye Protection:	SPLASH GOGGLES OR FACE SHIELD
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Other Protective Equipment: EYEWASH AND SAFETY SHOWER SHOULD BE AVAILABLE WITHIN THE IMMEDIATE WORKING AREA.

Work or Hygienic Practices: USE SAFE CHEMICAL HANDLING PROCEDURES SUITABLE FOR THE HAZARDS PRESENTED BY THIS MATERIAL.

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**SECTION IX - SPECIAL PRECAUTIONS**  
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Precautions to be Taken in Handling and Storage:

STORE UNDER 120°F (49°C) IN COOL, DRY, WELL-VENTILATED PLACE IN CLOSED CONTAINER AWAY FROM HEAT, SPARKS, FLAME, OXIDIZERS AND OUT OF DIRECT SUNLIGHT. FOR BEST RESULTS, USE WITHIN 12 MONTHS. AVOID CONTACT WITH SKIN AND EYES. NEVER COMMINGLE WITH BACTERICIDES OR QUATERNARY DISINFECTANTS, AS THEY WILL DEGRADE/INACTIVATE ENZYMES. PREVENT CONTAMINATION WITH FOOD.

Other Precautions: **KEEP OUT OF THE REACH OF CHILDREN.**

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

JK

Date of Last Revision: 4/30/01