



# Material Safety Data Sheet - Avir Natural Water Liquid Bacteria Sludge Control

## 1. Chemical Product and Company Information

Trade Name: Avir Natural Water Liquid Bacteria Sludge Control Revision Date: 11/05/2005  
CAS Name: Mixture  
Product Description: A concentrated non-bacterial readily biodegradable, enzymatic solution.  
Manufacturer's Name: Avir Environmental, LLC  
Address: P.O. Box 629 Denver, CO 80151 USA  
For Technical Support: 303.300.1515  
For Emergency : 303.300.1515

## 2. Composition / Information on Ingredients

Name	CAS#	WT.%	TLV
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Liquid Bacteria is a proprietary composition "not considered hazardous" under the OSHA Hazard Communication Standard CFR Title 29 1910.1200

## 3. Physical and Chemical Properties

Vapor Pressure: Not detectable  
Vapor Density (air = 1): <1.0  
Specific Gravity: 1.01 - 1.05  
Solubility in Water: Dispersible  
Volatile Organic Content: NA  
Appearance: Straw colored liquid  
pH: 6.5 - 7.5  
Boiling Point: > 212° F (100° C)  
Flash Point: NA  
Evaporation Rate: ~1 (water = 1)  
Weight: 8.35 lb./gallon (1.0 Kg/liter)  
Odor: Musty

## 4. Fire Fighting Measures

Flammable Properties  
Flash Point: Not Determined  
Method Used: N/A  
Flammable Limits: Not Determined  
Auto-ignition Temperature: Not Determined  
Extinguishing Media: Water, Foam  
Special Fire Fighting Procedure: None  
Unusual Fire and Explosion Hazard: None

## 5. Accidental Release Measures

Large Spill: Ventilate area. Contain and collect for reuse. If disposing, do so in accordance with all applicable federal, state and local health and environmental regulations.  
Small Spill: Ventilate area. Flush this biodegradable product to waste treatment sewer.

## 6. Stability and Reactivity

Stability: Stable  
Hazardous Polymerization: Will not occur.  
Conditions to Avoid: Strong acids that may inactivate cultures  
Hazardous Decomposition Products: None



### 7. Hazards Identification & First Aid Measures

HMIS RATINGS: Health - 1 Fire - 0 Reactivity - 0 Personal Protection - See Section 8

Routes of Entry: Product may enter the body via eye contact, skin contact and ingestion.

#### Potential Health Effects

General: Acute irritation sensations. Bacterial infection may occur through open wounds or broken skin. No known chronic effects.

Eye: Contact with product may cause mild irritation, eye redness. Avoid eye contact.

Skin: Prolonged / repeated exposure may cause mild skin irritation. Avoid skin contact.

Ingestion: Swallowing may cause nausea or diarrhea. Do not taste or swallow product.

#### FIRST AID MEASURES

Eye Contact: Immediately flush eyes with a directed stream of water for at least 15 minutes while forcibly holding eyelids apart to ensure complete irrigation of all eye and lid. Seek Medical Attention if Irritation Persists.

Skin Contact: Flush skin with water and wash with soap and water. If clothing is penetrated, immediately remove clothing and flush skin with water. Apply a topical antiseptic agent to clean skin. Wash clothes before reuse. Get Prompt Medical Attention If Irritation Persists.

Ingestion: Give 2+ glasses of water. Do not induce vomiting. If spontaneous vomiting is inevitable, Prevent Aspiration by keeping victim's head below the knees. Get Immediate Medical Attention.

### 8. Exposure Controls, Personal Protection

#### Controls

Respiratory Equip: Not Required Ventilation: Local Exhaust

Protective Gloves: Rubber Gloves Other Protective Equip: None

Eye Protection: Chemical Goggles Hygienic Work Practices: Wash hands after use

#### Personal Protection

Gloves: Always wear gloves when handling this product.

Safety Glasses: Always wear eye protection. Goggles or safety glasses with side shields are recommended

### 9. Handling and Storage

Storage Temperature: Store in a cool, dry place away from heat, sparks, flames, oxidizers and out of direct sunlight. Keep container tightly closed when not in use. To maintain biological properties, do not freeze and do not store above 100° F. Never commingle with bactericides or quaternary disinfectants, as they will degrade/inactivate enzymes. For best results use within 12 months.

General Precautions: Keep container closed when handling or storing. Keep out of reach of children.

### 10. Other Information

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