



## 1. Chemical Product and Company Information

Trade Name: Avir Natural Water Dry Bacteria Water Clarifier Revision Date: 11/05/2005  
CAS Name: Mixture  
Product Description: A concentrated nonhazardous multi-cultural bacteria blend on a fortified grain carrier for water clarity. These naturally occurring microorganisms are known to be non-pathogenic to humans, fish or aquatic plants.  
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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Avir Natural Water Dry Bacteria ingredients not precisely identified are proprietary or nonhazardous as listed in 29 CFR 1910.1200 or other pertinent sections of OSHA Regulations.

## 3. Physical and Chemical Properties

Solubility in Water: Moderate, disperses in water  
Appearance: Light brown powder  
pH: NA  
Odor: Bland  
Bulk Density: NA

## 4. Fire Fighting Measures

Fire & Explosion: None known  
Extinguishing Media: Water or foam.  
Fire Fighting Instructions: Wear self-contained breathing apparatus and protective clothing. Use water to cool containers. Moisten with water to reduce dust explosion hazard.

Unusual fire and explosion hazards: Avoid breathing hazardous vapors. Keep upwind.

## 5. Accidental Release Measures

Steps to be taken in case material is released or spilled: wear eye, skin, and respiratory protection during clean-up.  
\* Wear approved respirator for nuisance dust during cleanup. For all spills contain and collect for reuse.

Disposal method: Disposal of this product or it's residues must be in accordance with all local, state and Federal requirements.

## 6. Stability and Reactivity

Stability: Stable  
Conditions to Avoid: Strong acids as they may inactivate cultures  
Hazardous Decomposition Products: Oxides of carbon and nitrogen  
Hazardous Polymerization: Will not occur



### 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: Limited toxicity data is available on the product. The health hazard assessment is primarily acute irritation sensations with no known chronic effects.  
Eye: Eye contact with product may cause mild irritation. Avoid any eye contact.  
Skin: Slight redness on hands and forearms if individual has a history of dermal allergic reaction or with prolonged exposure. Bacterial infection may occur through open wounds or broken skin. Contact with these should be avoided.  
Skin Absorption: It is unlikely that systemically toxic concentrations will be absorbed through skin.  
Ingestion: Swallowing may cause irritation of mouth and throat. It may also cause nausea, vomiting or diarrhea. Do not taste or swallow product.  
Inhalation: Product may produce nuisance dust which will irritate respiratory passages and may affect people with asthma.

#### 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. Wash clothes before reuse. Get Prompt Medical Attention If Irritation Occurs.  
Ingestion: No effect if ingested in small amounts. Give affected person several glasses of water and induce vomiting. Irritation of the mouth, pharynx, esophagus and stomach can develop following ingestion. Get Immediate Medical Attention.  
Inhalation: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, have trained person administer mouth-to-mouth resuscitation. Get Medical Attention Immediately.

### 8. Exposure Controls, Personal Protection

Minimize exposure in accordance with good hygiene practice. Avoid handling which would create large amounts of dust.

Ventilation: General mechanical ventilation, local exhaust.  
Respiratory Protection: If needed, use a MSHA-HIOSH approved respirator for nuisance dust/mist.  
Protective Clothing: Take all precautions to prevent skin contact. Wear long sleeve clothing and rubber gloves.  
Eye Protection: Chemical goggles recommended.  
Other Protective Eqmt.: As recommended by federal, state and local regulations.

### 9. Handling and Storage

Storage Temperature: Store this product below 100° F and do not freeze. Store in a cool, dry, well ventilated area away from heat and out of direct sunlight. For best results use within 12 months. Never commingle with bactericides or quaternary disinfectants, as they will degrade/inactivate bacteria.  
General Precautions: Keep container closed when handling or storing. Keep out of reach of children.

### 10. Other Information

Disclaimer: The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Avir Environmental, LLC assumes no responsibility for personal injury or property damage to the Vendee, Users or Third Parties caused by the material. Such Vendees or Users assume all risks associated with the use of this material.