



1. Chemical Product and Company Information

Trade Name: Avir Natural Water Dry Bacteria Plus Water Clarifier Revision Date: 11/05/2005
CAS Name: Mixture
Product Description: A concentrated nonhazardous multi-cultural bacteria blend and a proprietary blend of trace minerals and organic catalyst 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. All chemical ingredients appear on the EPA TSCA Inventory.

3. Physical and Chemical Properties

Boiling point:	No data	Physical state:	Free flowing powder
Solubility in water:	Minimal	Appearance:	Tan
pH:	6.5 – 7.5	Odor:	Mild

4. Fire & Explosion

Flash point: No Data
Auto-ignition temp: No Data
Flammable limits (STP): No Data
Extinguishing media: Dry chemical, water spray, carbon dioxide

Special fire fighting protective equipment:
Self-contained breathing apparatus with full face piece operated in pressure-demand or other positive pressure mode.

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.

Soil Spill: Sweep up and recover or mix material with moist absorbent and shovel into waste container. If necessary dig a pit, pond, lagoon or holding area to contain liquid or solid material.
Water Spill: Add suitable agent to neutralize material to pH 7. Add activated carbon to absorb substance. Use dredges or lifts to extract immobilized masses of pollution and precipitates.
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 under normal conditions
Conditions to Avoid:	Strong acids as they may inactivate cultures
Hazardous Decomposition Products:	None known
Hazardous Polymerization:	Will not occur



7. Hazards Identification & First Aid Measures

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

Threshold Limit Value: OSHA nuisance dust limit of 15/ml/m³ or ACGTH nuisance dust limit of 10/mg/m³ for the 8-hour time weighted average.

Ingestion: Ingestion may result in irritation of the mouth and throat or cause choking.
Eye Contact: Direct contact may cause redness, pain or irritation, and possible corneal injury.
Skin Contact: Could cause mild skin irritation after prolonged contact.
Skin Absorption: No data
Inhalation: Inhalation of this product could cause irritation to the lungs and mucus membranes.
Other Exposure Effects: None known

FIRST AID MEASURES

Eye Contact: Immediately flush with water for at least 15 minutes. If irritation persists, have eyes examined by medical professional. Seek Medical Attention If Irritation Persists.
Skin Contact: Remove contaminated clothing and footwear. Wash material off the skin with soap and water for at least 15 minutes. Wash clothing and footwear before reuse. If Irritation Persists, Get Immediate Medical Attention.
Ingestion: Treat symptomatically. If breathing has stopped give artificial respiration. Get Immediate Medical Attention.
Inhalation: Remove victim to fresh air. Avoid breathing dust from this product. Seek Medical Attention if irritation occurs.

8. Exposure Controls, Personal Protection

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 impervious clothing and disposable nitrile exam gloves.
Eye Protection: Chemical goggles recommended.
Other Protective Eqmt: Eyewash station in work area. 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. Store away from children, food items and potable water. For best results use within 12 months.
General Precautions: Keep container tightly closed when handling or storing. Keep out of the 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.