



1. Chemical Product and Company Information

Trade Name: Avir Natural Water Liquid Bacteria Water Clarifier Revision Date: 11/05/2005
CAS Name: Mixture
Product Description: A concentrated multi-cultured bacterial spore blend for water clarity. These naturally occurring microorganisms are in a liquid form and 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 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: N/A
Appearance: Straw colored liquid
pH: 6.5 - 7.5
Boiling Point: > 212° F (100° C)
Viscosity: N/A
Evaporation Rate: ~1 (water = 1)
Weight: 8.35 lb/gal (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. 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 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 Eqmt: 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

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.