



1. Chemical Product and Company Information

Trade Name: Avir Natural Water Phosphorus Reduction Agent Revision Date: 11/05/2005
CAS Name: Mixture
Product Description: A concentrated innocuous liquid phosphate remover.
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 PRA 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: < 0.001 mm Hg @ 68°F (20°C)
Vapor Density (air = 1): > 1
Specific Gravity: 1.15 – 1.35 @ 77° F (25° C)
Solubility in Water: Soluble
Volatile Organic Content: Negligible
Appearance: Colorless to light yellow liquid
pH: 4.0 – 5.0 @ 77°F (25° C)
Boiling Point: > 230° F (110° C)
Flash Point: NA
Freezing Point: < 32° F (0° C)
Viscosity: ~38.7 - 47.1 cP @ 77° F (25° C)
Evaporation Rate: < 0.01 *N-butyl acetate = 1
Weight: 9.6 - 11.2 lb./gallon (1.15 - 1.34 Kg/liter)
Odor: None

4. Fire Fighting Measures

Flammable Properties
Flash Point: NA
Flammable Limits: Does Not Apply
Hazardous Combustion: None Known
Extinguishing Media: Will not burn; use materials appropriate for surrounding fire.
Fire Fighting Instructions: Wear self-contained breathing apparatus and protective clothing. Use water to cool containers. Turn off electrical service to eliminate source of ignition.

5. Accidental Release Measures

Large Spill: Contain spill. Prevent runoff from entering drains, sewers or streams. Dispose in accordance with all applicable federal, state and local health and environmental regulations.
Small Spill: Contain spill. Follow same procedure as above for large spill.



6. 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

Eye: Eye contact with product may cause irritation. Avoid eye contact with product.

Skin: Skin contact may cause irritation. Avoid skin contact with product.

Ingestion: Swallowing may cause irritation of mouth and throat. It may also cause nausea. 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. Wash clothes before reuse. Get Prompt Medical Attention If Irritation Occurs.

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.

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.

7. Stability and Reactivity

Hazardous Polymerization: Hazardous polymerization will not occur.

Materials to Avoid: Avoid contact with strong oxidizing and reducing agents.

Conditions to Avoid: See Section 9.

Hazardous Decomposition Products: Not Known. See Section 6.

8. Exposure Controls, Personal Protection

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 this product below 120° F (49° C), preferably below 75° F (24° C), in a cool, dry, well ventilated area away from heat, sparks, flame, oxidizers and out of direct sunlight. For best results use within 12 months.

General Precautions: Keep container closed when handling or storing.

10. Other Information

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