



Natural Environmental Systems, LLC
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MATERIAL SAFETY DATA SHEET

Pond Keeper

All-In-One Water Conditioner

Emergency Number: 816-842-5936 or 816-891-6671

Effective Date: October 4, 2007

1. PRODUCT IDENTIFICATION

Commercial Product Name: **Pond Keeper All-In-One Water Conditioner**

Manufactured for Natural Environmental Systems, LLC.

Synonyms: Full function water conditioner.

Aqueous (water) solution of inorganic salts (electrolytes), polymers, and dechlorinator.

2. PRODUCT COMPOSITION

Mixture: no CAS registry number assigned to the mixture; nonproprietary components listed below:

hydroxymethanesulfonic acid, sodium salt: 870-72-4

sodium chloride: 7647-14-5

sodium bicarbonate: 144-55-8

edetate sodium: 64-02-8

water: 7732-18-5

Molecular Weight: Mixture, not applicable.

Hazardous Ingredients: None.

Other Ingredients: water, >75%, polymers, <5%, salts, <5%.

Chemical Formula: Mixture, not applicable.

3. PHYSICAL PROPERTIES

Boiling Range: ~100°C (~212°F)

Melting point: ~ 0°C (~32°F)

Specific Gravity: ~1.146

Vapor Pressure at 20°C (in mm of Hg): Not determined.

Vapor Density (air = 1): Not determined.

Solubility in Water: 100% miscible with water.

Evaporation Rate (n-butanol = 1): Not determined.

% Volatiles: > 75%

Appearance and Odor: Clear to slightly turbid liquid with a mild odor.

4. FIRE & EXPLOSION DATA

Lower Flammability Limits (% in air): Not applicable; non-flammable.

Flash Point (and methods): Not applicable; non-flammable.

Flammability Classification: Will not support combustion. Non-flammable.

Recommended Extinguishing Media: None.

Special Fire Fighting Procedures: None.

Unusual Fire/ Explosion Hazards: None.

5. HEALTH INFORMATION

Threshold Limit Value: Non-toxic; acute mammalian (rat) toxicity studies indicate an LD₅₀ of >5,000 mg/Kg.

Effects of Overexposure: Not determined.

Emergency First Aid Procedures:

Eye contact: Flush with water for at least 15 minutes

Skin contact: Wash exposed areas with soap and water. If irritation occurs, get medical attention.

Inhalation: Not an inhalation hazard.

Ingestion: Treat symptomatically. For sour or salty taste give sweetened drink.

CALIFORNIA WARNING: None.

6. REACTIVITY DATA

Stability: Stable under ordinary conditions of use and storage.

Conditions to Avoid: Avoid contact with any substances which will react violently or explosively with water or water-containing substances.

Incompatibility: Incompatible with any water-reactive substances.

Hazardous Decomposition Products: May release oxides of carbon and sulfur if dried material is in contact with fire.

Hazardous Polymerization: This material does not polymerize.

7. FIRE AND SPILL LEAK PROCEDURES

In Case of Fire: Use CO₂, water fog, foam or dry chemical (which ever is appropriate for the type of fire involved)

In Case of Spill or Accidental Release or Leak: Spillage or leakage may cause affected surfaces to become slippery. Spillage or leakage may be washed into sanitary sewers.

Waste Disposal Procedures: Dispose of per local, state and federal regulations for non-hazardous household chemicals.

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not an inhalation hazard.

Local Exhaust: None required.

Protective Gloves: None required.

Eye Protection: None required.

Other Protective Equipment: None required.

9. ADDITIONAL PRECAUTIONS

- (1) Persons with pre-existing skin disorders or eye irritations should avoid contact with eyes and skin.
- (2) Keep container upright and tightly closed when not in use.
- (3) Do not add any other materials to the container (including unused material originally removed from the container).
- (4) Do not store in direct sunlight.
- (5) Store at room temperature.

The above information is given in good faith, and is based upon research of others, and is believed to be accurate by Natural Environmental Systems, LLC. No known relevant information has been omitted. The above information is designed to enable the User to use the product safely, and is provided solely for the User's assistance in complying with the Occupational Safety and Health Act of 1970, and the regulations thereunder. Any other use is prohibited. Natural Environmental Systems, LLC assumes no responsibility or liability for any loss, injury, or damage, which may occur from the use or misuse of their products. Also, because actual use by others is beyond our control, no guarantee or warranty, is either expressed or implied, by Natural Environmental Systems, as to the product or it's use or misuse. Where the Customer has concerns, it is recommended that the Customer(s) perform their own tests.