

## MATERIAL SAFETY DATA SHEET

### SECTION I. PRODUCT IDENTIFICATION

MANUFACTURER: CLEAN EARTH, INC.  
P.O. Box 50381  
Bellevue, WA 98015  
(425) 881-5482

PRODUCT NAME: PureAyre™

SYNONYMS: None

PRODUCT TYPE: Food Stuffs, Class 60, Item #73185 as classified by the National Motor Freight Classification; an organic food grade bioremediation catalyst.

### SECTION II. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS: Ingredients in the product are not known or classified as hazardous.  
The ingredients are pure enzymes, pure essential oils, and purified water.  
Contains no bacteria, chemicals, pesticides or artificial fertilizers.

EXPOSURE LIMITS: Common-sense cautions apply. Classified as Zero, Zero, Zero hazardous material.

### SECTION III. PHYSICAL/CHEMICAL INGREDIENTS

Boiling Point: 100 degrees Celsius  
Vapor Pressure: (mm Hg) Product exhibits that of water.  
Vapor Density: (Air=1) Product exhibits that of water.  
Melting Point: Product exhibits that of water.  
Appearance: Clear and pale pink.  
Odor: Natural and essential oil of peppermint.  
Specific Gravity: 1.1  
PH: 4.6  
Evaporation rate: Product exhibits that of water.  
Solubility in water: 98%

### SECTION IV. FIRE AND EXPLOSIVE HAZARD DATA:

Flash Point (Method Used): Product exhibits that of water.  
Lower Exposure Limit (LEL) Product exhibits that of water.  
Special Fire Fighting Procedures: Product will not burn.  
Unusual Fire and Explosion Hazards: Product exhibits that of water.  
Flammable Limits: Product exhibits that of water.  
UEL: Product exhibits that of water.

### SECTION V. REACTIVITY DATA

Stability: Stable  
Incompatibility: None  
Conditions to Avoid: None  
Hazardous Decomposition or Byproducts: None

### SECTION VI. HEALTH HAZARD DATA

Nature of Hazard: This product is non-hazardous.  
Primary Routes of Entry: Eyes, ingestion, and prolonged skin contact.  
Health Hazards (Acute and Chronic): No known chronic effects.  
Carcinogenicity: National Toxic Program, Triangle Park, North Carolina: Not listed  
OSHA Regulated: Not listed  
International Agency for Research of Cancer, Paris: Not listed

**EYE CONTACT:** Flush with clear water to remove product. Product has an equivalent pH and effect of lime juice.

**SKIN CONTACT:** To avoid prolonged skin contact, wear proper protection and health & safety equipment.  
See Section IX.

**INGESTION:** Can reduce excess stomach gas.

#### **SECTION VII. PRECAUTIONS FOR SAFE HANDLING AND USE:**

Steps to be Taken if material is Released or Spilled: Flush with water.  
Waste Disposal Method: Flush with water.  
Precautions to be Taken in Handling and Storing: Store in a cool location out of direct sunlight.

#### **SECTION VIII. ECOLOGIC INFORMATION**

**AQUATIC TOXICITY:** Non-toxic. Product exhibits that of water.  
**WATERFOWL TOXICITY:** None known. Product exhibits that of water.  
**BIOCHEMICAL OXYGEN DEMAND:** None. Product exhibits that of water.  
**FOOD CHAIN POTENTIAL:** None expected. Product exhibits that of water.

#### **SECTION IX. CONTROL MEASURES**

**PROTECTIVE EQUIPMENT:** Industrial handling (shipping, bottling etc.) Recommendations for personal hygiene and protection are common sense. Rubber gloves and goggles can be worn to minimize hazard with the product. Essential oils can irritate eyes and are not intended for ingestion. Flush with water. Any prolonged redness should be examined by a physician.

#### **SECTION X. REGULATORY INFORMATION**

##### **U.S. FEDERAL REGULATIONS**

Under the TSCA rules for mixtures and naturally occurring substances the USEPA considers this product to be a statutory mix, therefore only its components shown in Section 2 of the MSDS are in the inventory. The human and the environmental hazards for the product, however, are not the same as its components, because the components do not separate from the product.

Superfund Amendments and Reauthorization Act of 1986 (SARA), Title III requires emergency planning based on Threshold Planning Quantities (TPQfs) and release reporting based on Reportable Quantities (RQfs) in 40 CFR 355 (used for SARA 302, 304, 311, 312.)

Components present in this product at a level which could require reporting under the statute are: None.

##### **INTERNATIONAL REGULATIONS**

**CANADA:** This product is not classified as a controlled product under regulations of Existing Commercial Chemical Substances (EINECS, No. 2152838.) No component of this product is listed as a Dangerous Substance under a directive, or pursuant to another measure of the European Community.

##### **STATE REGULATIONS**

Proposition 65 – This product contains no levels of any listed substances which the State of California has found to cause cancer, birth defects, or other reproductive harm, which may require a warning under the statute.

#### **SECTION XI. OTHER COMMENTS**

**THIS PRODUCT IS A DILLUTION OF A CONCENTRATE THAT IS AN ORGANIC BASED ENZYME PRODUCT WHICH SHOULD PRESENT NO UNDUE HAZARD TO THE APPLIER OR THE ENVIRONMENT AS THE MATERIAL IS NATURALLY DEGRADED BY BOTH SUNLIGHT AND ATMOSPHERIC OXYGEN. IT MAY, THEREFORE, BE CONSIDERED NON-TOXIC.**

**IMPORTANT:** The information herein, while not guaranteed, was prepared by competent personnel and is true and accurate to the best of our knowledge. **NO WARRANTY, OR GUARANTEE, EXPRESS OR IMPLIED IS MADE REGARDING PERFORMANCE, STABILITY OR OTHERWISE.** This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage. Other factors may involve other additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the customer. No suggestions for use intended as, and nothing herein shall be construed as a recommendation to infringe any existing patents or violate any Federal, State, or local laws.