

# MATERIAL SAFETY DATA SHEET

Vital Earth Resources · 706 East Broadway · P.O. Box 1148 · Gladewater, Texas 75647

<b>PRODUCT NAME:</b> VITAZYME + Chelates	<b>CAS NO:</b> N/A	<b>PRODUCT NUMBER:</b> 9083
<b>COMMON NAME:</b> A special proprietary liquid foliar and soil spray for plants.	<b>EPA FACILITY NUMBER:</b> 63908-TX-001	
<b>PRODUCT DESCRIPTION:</b> A liquid agricultural and horticultural product, applied to plants, soils, seeds, and roots. It is a highly concentrated and pungent liquid produced by poly-fermentation and extractions, having natural growth regulators, vitamins, and other substances that improve plant growth, root development, and yield. Shelf life: 3 years.		
<b>PRODUCT COMPONENTS:</b> Components are derived from multiple sources such as sea algae (kelp) soluble solids, natural chelates, and aqueous extracts of digested, multi fermented cereal grain products, etc. Buffered and stabilized at a pH of 3.5 to 4.2. Analysis with chelates: Fe=0.2% (Fe-EDTA); Cu=0.07% (Cu-EDTA); Zn=0.06% (Zn-EDTA). Other components: natural vitamins and natural growth regulators, in total comprising <1% of the total volume.		
<b>PHYSICAL PROPERTIES —</b> PHYSICAL STATE: Liquid      COLOR: Dark, greenish      DENSITY: 1.007      MOISTURE %: >95% ODOR: Pungent typical of most poly-ferments      ASH %: <0.5%      WEIGHT IN POUNDS: 8.8 pH @ 25 DEGREES CELSIUS: 3.5 to 4.2      SOLUBILITY: Infinite in water FREEZING POINT: 31 degrees Fahrenheit      BOILING POINT: 212 degrees Fahrenheit		
<b>PHYSICAL HAZARD DATA —</b> FLAMMABILITY: Nonflammable      EXPLOSION HAZARD: Nonexplosive      CAUSTIC: Noncaustic CORROSIVE: Very slightly corrosive      VAPOR HAZARD: N/A      DUST HAZARD: N/A FLASH POINT: N/A      FREEZE POINT: N/A      EXTINGUISHING MEDIA: N/A      STABILITY HAZARDS: None SPECIAL FIRE FIGHTING PROCEDURES: N/A      MATERIAL(S)/CONDITION(S) TO AVOID: N/A		
<b>HAZARDOUS COMPONENT(S) OR INGREDIENT INFORMATION —</b> LIST ANY PRESENT: None      CARCINOGENS: None      MUTAGENS: None      ROUTES OF ENTRY: N/A INDUSTRIAL/OVEREXPOSURE: N/A      PHYSICAL SIGNS OR SYMPTOMS: N/A KNOWN HEALTH EFFECTS: None suspected, indicated, or reported      EYE CONTACT: Very slightly irritating INHALATION: N/A      ACCIDENTAL INGESTION: N/A. Ingestion by cattle at 8 ml/day has proven to be beneficial.		
<b>FIRST AID PROCEDURES —</b> EYES: Wash with clean water at least 15 minutes. Consult a physician if irritation persists. SKIN: Wash with soap and water      INHALATION: N/A      ORAL INGESTION: N/A		
<b>PERSONAL PROTECTION —</b> EYES: Suggest wearing safety glasses or goggles      SPECIAL EQUIPMENT AND APPAREL: N/A RESPIRATORY: N/A      VENTILATION: Good and adequate ventilation recommended. Typical use is out of doors.		
<b>STORAGE - SHIPPING - HANDLING —</b> STORAGE: May be stored in any clean, dry area or warehouse. Not harmed by freezing if containers are undamaged or the temperature does not exceed 190 degrees Fahrenheit. STORAGE TEMPERATURE LIMITS: Product is undamaged by freezing. Should be stored preferably at 40 to 90 degrees Fahrenheit, but undamaged up to 190 degrees Fahrenheit. PRODUCT TYPICAL STORAGE TO USE LIFE: At least two years storage prior to use. Tests to date indicate up to 10 years in storage will not harm efficacy. SHIPPING: By most convenient and economical means available.      SPECIAL HANDLING PROCEDURES: None		
<b>SPILL, LEAK, AND DISPOSAL PROCEDURES:</b> Wash with clean water into sewer, storm system, or best available drainage. Nontoxic, nonphytotoxic, nonaccumulative. Will have no adverse effects upon the environment, and will not damage water supplies, ponds, rivers, lakes, or underground water resources. Comply with all applicable governmental regulations on spill reporting, and handling and disposal of waste.		
<b>NOTICE:</b> This product conforms to the description given hereon and is reasonably fit for the purposes stated when used according to the directions and under normal conditions. All other warranties and all implied warranties of merchantability and fitness for a particular purpose other than those expressed hereby are disclaimed by the seller. How this product is used is very important and beyond the control of the seller. The buyer assumes all risk for any use beyond those described on the label or for any use under abnormal conditions. The seller shall not be liable for loss of profits or any other consequential damages.		