



SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **Organic Vitazyme Brassinoboost** **Product Number:** 9080
PRODUCT USE: All Natural Soil Biostimulant **CAS # 72962-43-7** (Homobrassinolide)
MANUFACTURER NAME & ADDRESS: Vital Earth/Carl Pool * 706 E Broadway * Gladewater, TX 75647
EMERGENCY PHONE NUMBERS: (903) 845-5985 (800) 245-7645

SECTION 2 – HAZARDS IDENTIFICATION

Non-Hazardous: Special proprietary liquid foliar and soil spray for plants.
Ingestion: Minimal hazard under normal conditions and use. Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness, or other medical related problems.
Inhalation: NA
Eye Contact: Very slightly irritating.
Skin Contact: May cause irritation with prolonged contact.

SECTION 3 – HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Product Description: A liquid, lawn, garden, and agricultural crop (plants and soil) spray-applied product. It is a highly concentrated and pungent liquid produced by poly fermentation, yielding growth regulators which are brassinosteroids that hasten plant growth, stimulate root development, and increase yields. Components are derived from multiple sources including sea plant (kelp) soluble solids, natural terrestrial plant materials, and aqueous extracts of digested, multi-fermented cereal grain products. Buffered and stabilized at a pH of 3.5 to 4.2 with ascorbic acid. This liquid product has a useful shelf life of 3 years.
Active Ingredients: Homobrassinolide 0.01%.
Use as directed on the product label and/or literature that may be provided. Contents are given on the product label.

SECTION 4 – FIRST AID MEASURES

Ingestion: If ingested, give 2-3 glasses of water to dilute product. Seek medical attention if problem persists.
Inhalation: NA
Eyes: Flush eyes with water for at least 15 minutes. Seek medical attention if irritation persists.
Skin: Wash with soap and water.

SECTION 5 – FIRE FIGHTING MEASURES

Special firefighting Procedures: N/A Product is a non-combustible liquid.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Environmental Precautions: NA- Nontoxic, nonphytotoxic, nonaccumulative.
Steps to be taken in case material is released or spilled: Comply with all applicable governmental regulations on spill reporting, and handling and disposal waste.

SECTION 7 – HANDLING AND STORAGE MEASURES

Handling: Use normal safety procedures and use good personal hygiene. Wash hands with soap and water after handling product. Avoid ingestion or contact with eyes or clothing.
Storage: Keep out of reach of children and animals. Preferably store at 40 to 90 degrees Fahrenheit, but undamaged up to 190 degrees Fahrenheit.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Eyes and Face: Safety glasses with side shields or goggles is suggested.

Skin: No special protective clothing is necessary under normal use conditions.

Ventilation: Good and adequate ventilation is recommended due to pungent odor. Typical use is outdoors.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Corrosive: Very slightly

Caustic: Non-caustic

Flashpoint: Non-flammable

pH: 3.5 to 4.2 @ 25 degrees C.

Appearance: Dark brown colored liquid

Solubility in Water: Infinite

%Volatiles (by volume): Not applicable

Vapor pressure, mm Hg: Not applicable

Odor: Intensely pungent

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable

Incompatibility (Material to Avoid): None listed

Hazardous Decomposition Products: None

Polymerization: Will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity: No data for mixture.

Eye Irritation: Eye contact may produce irritation, tearing, or blinking as a foreign body in the eye.

Skin Irritation: May cause skin irritation in susceptible persons.

Inhalation: N/A

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

SECTION 12 – ECOLOGICAL INFORMATION

Product Information: No ecological information is known on the product.

Environmental Precautions: Will have no adverse effects upon the environment, and will not damage water supplies, ponds, rivers, lakes or underground water sources.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal Method: Wash with clean water into sewer, storm sewer, or best available drainage.

SECTION 14 – TRANSPORTATION INFORMATION

Shipping Name: Not DOT regulated

Hazard Class: None

Reportable quantity (RQ) None

Labels Required: Normal

Placard: None

SECTION 15 – REGULATORY INFORMATION

General Comments: Contact local authorities for proper disposal of large quantities of unused product.

SECTION 16 – OTHER INFORMATION

MANUFACTURER DISCLAIMER: The information contained herein is, to the best of the Manufacturer's knowledge and belief, accurate and reliable as of the date of the preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and the Manufacturer shall not be liable for any loss or damage arising out of the use thereof. In addition, the Manufacturer shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.

Notice: 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.