

# Terra-One™ / Safe-One

## Material Safety Data Sheet

### Section 1 - Product Description

PRODUCT NAME: Terra-One HYC  
Terra-One HYG  
Terra-One Growers Blend  
Safe-One Concentrate  
Compost One  
CHEMICAL NAME: Bacterial Additive  
CHEMICAL FAMILY: Bacterial  
FORMULA: Bacteria Blend  
MANUFACTURER: Alpha Bio-Systems, Inc.

### Section 2 - Hazardous Ingredients

INGREDIENTS: None  
TLV: None

### Section 3 - Physical Data

APPEARANCE: Tan/Off white liquid  
ODOR: Slight odor  
SPECIFIC GRAVITY: One  
BOILING POINT: 212 degrees Fahrenheit  
EVAPORATION RATE: Equal to water  
MELTING POINT: N/A  
VAPOR PRESSURE: N/A  
PERCENT VOLATILE: N/A  
SOLUBILITY IN WATER: N/A

### Section 4 - First Aid Measures

INHALATION: Normal use should not cause irritation. If reaction occurs, relocate to fresh air and consult your physician.  
EYES: If product contacts eye area, flush with water.  
SKIN: Normal use should not cause irritation. Wash skin with soap and water after contact with product. If irritation occurs, consult your physician.  
INTERNAL: Product is not to be taken internally. If this occurs do not induce vomiting and seek medical attention.

### Section 5 - Health Hazard Information

THRESHOLD LIMIT VALUE: N/A  
EFFECTS OF OVEREXPOSURE: If taken internally will cause slight intestinal upset.

### Section 6 - Fire and Explosion Hazard Information

FLASH POINT: N/A  
FLAMMABLE LIMITS: N/A  
EXTINGUISHING MEDIA: N/A  
SPECIAL FIRE PROVISIONS: None  
UNUSUAL FIRE HAZARD: None

### Section 7 - Hazardous Reactivity

STABILITY: Stable  
CONDITION TO AVOID: Extreme heat, strong acids and bases.  
INCOMPATIBILITY: Not compatible with strong acids.  
HAZARDOUS DECOMPOSITION PRODUCTS: N/A  
HAZARDOUS POLYMERIZATION: N/A

### Section 8 - Spill or Leak Procedure

IF MATERIAL IS SPILLED OR RELEASED: In the event of a spill or leak, rinse thoroughly with water and maximize ventilation.

WASTE DISPOSAL METHOD: Comply with all Local, State and Federal regulations.

### Section 9 - Special Precautions

HANDLING AND STORAGE PRECAUTIONS: Avoid extreme heat, store in a cool dry place, do not freeze. Protect eyes with splash proof glasses. Protect skin with rubber gloves and apron.

DOT CLASS: Not DOT Regulated.

OTHER PRECAUTIONS: Practice good housekeeping procedures.

CONTAINER DISPOSAL: Do not reuse container. When empty, rinse before disposing. Dispose of in accordance with local laws and ordinance.

### Section 10 - Notice

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## Terra-One Ready to Use (RTU) Product Instructions

### Ready to Use (RTU) Product Instructions:

- 1) Fill your application tank with the appropriate amount of water or liquid fertilizer to treat the acres desired.
- 2) Mix 16 oz. of the RTU product per acre with the desired amount of water or liquid fertilizer that your spray equipment treats per acre. The minimum amount of water or liquid fertilizer per acre is 2 gallons. There is no limit to the amount of water applied per acre.
- 3) The product is now ready to use.
  - a) Be sure Terra-One is used by the "use by" date on the box/tote.
  - b) Do not attempt to store the product mixed with fertilizer for more than 2-3 days.
- 4) IF THE MIX IS TO BE HELD OVERNIGHT, BE SURE THE TANK IS VENTED SO THE GASSING OF THE MIXED PRODUCT DOES NOT DAMAGE THE TANK.
- 5) Keep out of reach of children.

RTU tote product has a use by date of 90 days.

RTU boxed product has a use by date of 45 days.

**Use by date can be found on exterior of all packaging.**

## Terra-One Application FAQs

**Q: When should I apply?**

A: The best time to apply would be when the soil is at least 45 degrees Fahrenheit.

**Q: How often should I apply?**

A: Under normal conditions the product would be applied at the beginning of each crop cycle.

**Q: Can I mix it with my liquid fertilizer application?**

A: Yes, it can be mixed with liquid fertilizer solution as long as it is utilized in the next 48 hours after mixing.

**Q: What methods of application can be utilized?**

A: The method of application would be any that would normally be used with liquid application to the fields. For example: drip irrigation, boom sprayer, land injection or aerial application.

**Q: After a period of time I noticed a cloudy floating material near the bottom of the tank, is that a problem?**

A: No, this is a normal result of the natural process with a living, microbial product.

**Q: Can I mix it with herbicide or Roundup?**

A: No. The active ingredients in either would be detrimental to the microbial population.

**Q: Can this product be used on a field after herbicide or Roundup has been applied?**

A: Yes.