

# MSDS

## Material Safety Data Sheet

# Biota Max™

## Soil Probiotic

Effervescent Tablets, individually wrapped in aluminum foil, or packaged 20 tablets per plastic tube.  
Please Contact CustomBio for MSDS for bulk, unpackaged tablets (over 10,000 tablets).

### Section 1 - Identification of Product and Company

Product Name: Biota Max™  
Manufacturer: Custom Biologicals, Inc.  
1239 E Newport Center Dr. Suite 117  
Deerfield Beach, Florida, 33442 USA  
Phone: 561-998-1699  
Fax: 561-998-2699

### Section 2 - Composition/Information on Ingredients

INGREDIENT	CAS No	%,w/w
Citric Acid	77-92-9	50%
Sodium Bicarbonate	144-55-8	49.2%
Acid Blue 9	3844-45-9	0.4%
Proprietary Bacteria Blend – in spore form	Not required	0.4%

### Section 3 - Hazards Identification of the Preparation

**HARMFUL:** Not harmful.

#### Health Effects of Tablet (NOT resultant solution)

Effect on Skin, eyes, Ingestion and Inhalation: Unlikely route of exposure in small volume of tablets unless tablet breaks into powder, then material may be an irritant to mucous membranes.

### Section 4 - First Aid Measures

**Eye Contact:** Immediately flush with plenty of clean water for at least 15 minutes.  
If irritation persists, seek medical attention.

**Skin Contact:** Wash hands after handling.

**Ingestion:** Rinse mouth and drink plenty of water or milk. Do not induce vomiting. The bacteria in this product are not intended for ingestion and are non-native to the intestinal tract. Ingestion may cause diarrhea.

**Inhalation:** Move to fresh air. If irritation persists, seek medical attention.

### Section 5 - Fire-Fighting Measures

**Special Fire or Explosion Hazards:** Product is not flammable. Decomposes above 250°C with release of carbon dioxide.  
Extinguish by flooding with water.

**Suitable Extinguishing Media:** Water

### Section 6 - Accidental Release Measures

**Small volumes** of spilled tablets may be cleaned and disposed of in trash, or, dissolved in water and poured down any drain. If tablets are dry and unwrapped, collect and use material as originally intended. Wash away any residues with large amounts of water.

### Section 7 - Handling and Storage

#### Recommended Storage Conditions

**Small volumes** of tablets are individually sealed and do not need special handling instructions. The active ingredient will not be affected by freezing, and will not be affected by temperatures up to 150° F.

**Keep out of reach of children.**

**Recommended Handling Precautions:** Avoid contact with eyes.

### Section 8 - Exposure Controls/Personal Protection

**Respiratory Protection:** Not necessary for application or handling of this product in individual dosages, or industrial size application dosages.

**Ventilation:** Not necessary for this product in individual dosages, or industrial size application dosages.

**Eye Protection:** Not necessary for application or handling of this product in individual dosages or industrial size application dosages. Wash eyes with clean water where there is potential eye contact.

**Skin Protection:** Not necessary for this product in individual dosages, or industrial size application dosages.

## Section 9 - Physical and Chemical Properties

**Appearance:** Blue or white tablet

**Oxidizing Properties:** Non oxidizing

**Solubility:** Freely soluble

**Odor:** Characteristic

**Flash Point:** No Flash Point

**Explosion Properties:** Not explosive

**Flammability:** Not flammable

**Autoflammability:** Not autoflammable

**pH:** Neutral (in solution, when mixed with water after completion of effervescent action)

## Section 10 - Stability and Reactivity

**Stable under normal conditions.**

**Conditions to Avoid:** Do not store on or near heat sources or naked flame. Avoid moisture.

## Section 11 - Toxicological Information

**Route of entry:** Inhalation & ingestion.

**Inhalation:** Residue dust may be irritating to the nose, mouth, throat and lungs. Tablet may cause choking.

**Ingestion:** Tablet can cause irritation and/or burns to the gastrointestinal tract. DO NOT SWALLOW TABLET.

**Eye Contact:** Tablet can cause severe irritation and/or burns, characterized by redness, swelling and scab formation.

May cause impairment of vision and corneal damage. DO NOT PUT TABLET INTO EYES.

**Carcinogenicity:** This chemical is not considered to be carcinogenic by any reference source.

## Section 12 - Ecological Information

Tablet may be dissolved in water and discharged into any septic, drain line, or waste water system. This product has been successfully used in farms, soils and gardens without any known negative side effects or known damage to the environment. The organisms in this product are naturally occurring, NOT genetically modified, and non-pathogenic to humans, plants or animals.

## Section 13 - Disposal Considerations

Disposal should be done in accordance with all official regulations. If material is dry, solid waste disposal is recommended. If material is dissolved in water, dispose of in a septic system or wastewater system.

## Section 14 - Transport Information

Keep container strictly dry. Keep away from FIRE, HEAT, & FLAME. Keep out of reach of children.

**UN Number:** N/A

**Packing Group:** N/A

**IMDG Code:** N/A

**IMDG Page:** N/A

**ADR/RID:** N/A

**ICAO/IATA:** N/A

## Section 15 - Regulatory Information

**Risk Phrases:**

**R22** Dry product is Harmful if swallowed.

**R31** Contact of large volumes of unpackaged product with water yields carbon dioxide.

**R36/37** Irritating to eyes and respiratory system.

**Safety Phrases:**

**S2** Keep out of reach of children.

**S8** Keep container dry.

**S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice if irritation persists.

**S41** In case of fire and/or explosion do not breathe fumes – carbon dioxide.

Regulatory References: The Chemicals (Hazard Information & Packaging) Regulations 2002).

## Section 16 - Other Information

All statements, information, and data provided in this MSDS are believed to be accurate and reliable, but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied, on our part. Users should make their own investigations to determine the suitability of the information or products for their particular purpose. Nothing contained herein is intended as permission, inducement or recommendation to violate any laws or to practice any invention covered by existing patents.