

# MATERIAL SAFETY DATA SHEET

Product Name	: BioStart	Issue Date:	01/02/2022
Reference No	: Version 22.01	SDS Number:	RF-SDS532

## 1. IDENTIFICATION

GHS Product Identifier	BioStart
Supplier Name	Hunan Tangsons Biotech Co., Ltd
Address	No. 660, Hanguang Road, Changsha, Hunan, PRC
Telephone	(86) 731 85773044
Fax	(86) 731 85773044
Emergency Contact	(86) 137 8724 3647
Recommended Use	Agriculture, Seeds coating inoculation

## 2. HAZARD IDENTIFICATION

Classification of the substance or mixture	Classified as non-Hazardous according to the criteria of GHS. Classified as non-Dangerous Goods according to ADG Code. This material is classified as <b>NON-HAZARDOUS</b> according to the criteria of SafeWork
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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Ingredients:	Penicillium Bilaii,	CAS: N/A	% (W/W)	3~13%
	Other (Inert ingredients)	CAS: Not applicable	%(W/W)	87~97%

## FIRST AID MEASURES

Inhalation	Move person to fresh air. If person is not breathing, call an ambulance; then give artificial respiration.
Ingestion	Call a doctor immediately if a large amount is swallowed. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.
Skin	Remove contaminated clothing. Thoroughly wash skin with plenty of soap and water.
Eye Contact	Hold eye open and rinse slowly and gently with plenty of water for at least 15 minutes. If present, remove contact lenses and continue rinsing eye.
Advice to Doctor	Remove from source of exposure. If irritation or other signs of toxicity occur, seek medical attention.

## 4. FIRE-FIGHTING MEASURES

	Use appropriate media for underlying cause involved in the fire.
Suitable Extinguishing Media	No data
Hazard from Combustion Products	No data.
Specific Hazards Precautions	Self-Contained Breathing Apparatus (SCBA) and full protective gear according to the conditions and size of the fire.

## 5. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Wear suitable protective clothing, such as long-sleeved shirt, pants, waterproof gloves and shoes with socks.
Clean-up & Disposal	Carefully mop or sweep up spill and place in a closed container for disposal. Rinse area with water.

## 6. HANDLING AND STORAGE

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**Safe Handling** Use handling procedures that minimize exposure to the product.  
**Safe Storage** Store in cool, dry, well-ventilated location out of direct sunlight in an airtight container after opening. Do not mix with other products while stored.

## 7. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** Ensure good ventilation. No exposure limits have been established.  
**Biological Limit Values** No biological limit allocated.  
**Engineering Controls** Use process enclosures, local exhaust ventilation, or other engineering controls to reduce airborne exposure at locations/operations where dust may be generated.  
**Respiratory Protection** Not normally required. However, if needed, use a dust/mist filtering face mask.  
**Eye Protection** Chemical safety goggles or safety glasses with side shields.  
**Hand Protection** Gloves made from chemically resistant material such as neoprene, vinyl, rubber or nitrile.  
**Body Protection** Wear suitable protective clothing such as long-sleeved shirt, pants and shoes with socks.

## 8. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Dark green powder  
**Boiling Point** Decomposes  
**Melting Point** 186.8 °F  
**Solubility in Water** Suspends in water  
**Specific Gravity** 0.695  
**pH Value** 7.1.  
**Vapour Pressure** No information available  
**Vapour Density (Air=1)** 1.04 to 1.08 g  
**Flash Point** >400 °F  
**Flammability** Solid  
**Ignition Temperature** No information available  
**Flammable Limits (Lower)** No information available  
**Flammable Limits (Upper)** No information available

## 9. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal ambient storage conditions.  
**Conditions to Avoid** Direct sunlight, incompatible materials, extremely high or low temperatures  
**Incompatible Materials** Acids, bases, oxidizers, reducers, disinfectants, fungicide may inactivate  
**Hazardous Decomposition Products** Thermal decomposition releases CO, CO<sub>2</sub>, Hydrocarbons  
**Hazardous Polymerization** Does not occur

## 10. TOXICOLOGICAL INFORMATION

**Toxicology Information** Not Classified base on available data  
**Inhalation** Inhalation LC<sub>50</sub> is not available  
**Ingestion** Oral LC<sub>50</sub> is not available  
**Skin** Not Classified base on available data  
**Eye** Minimally irritating ( rabbit), Category 2B  
**Chronic Health Effects** No data available.

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## 11. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	No known conditions.
<b>Persistence/Degradability</b>	No known conditions.
<b>Mobility</b>	No known conditions.
<b>Bioaccumulative Potential</b>	No known conditions.
<b>Environmental Protection</b>	No known conditions.

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## 12. DISPOSAL CONSIDERATIONS

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<b>Method</b>	Can be land filled or paced in an MSW registered landfill or used as a soil amendment. Follow all federal, state and local regulations.
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## 13. TRANSPORT INFORMATION

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<b>Transport Information</b>	Classified as non-dangerous goods according to IATA & IMDG, U.S. DOT –ROAD/ U.S. DOT –RAIL / U.S. DOT –INLAND WATERWAYS
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## 14. REGULATORY INFORMATION

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<b>Poisons Schedule Number</b>	Not scheduled.
<b>Packaging and Labelling</b>	As required by the ADG Code and Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

The ingredients contained in this product listed on the America Inventory of Chemical Substances (AICS).

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## 15. OTHER INFORMATION

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<b>Date Prepared</b>	1st Jan 2022
<b>Abbreviations</b>	GHS – Globally Harmonised System of Classification and Labelling of Chemicals
<b>Others</b>	This information summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider this information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

...END OF MSDS...