

# Safety Data Sheet

Issue Date: 18-Jun-2014

Revision Date: 20-April-2012

Version 3

## 1. IDENTIFICATION

### Product Identifier

**Product Name** AXIOM Harpin Proteins

### Recommended use of the chemical and restrictions on use

**Recommended Use** Plant Growth Stimulator.

### Details of the supplier of the safety data sheet

#### Supplier Address

Rx Green Technologies, LLC  
873 Page Street  
Manchester, NH 03109

### Emergency Telephone Number

**Company Phone Number** Business Phone: (603) 769-3450  
Fax Phone: (603) 769-3450

**Emergency Telephone (24 hr)** INFOTRAC 1-800-535-5053

## 2. HAZARDS IDENTIFICATION

### Ingestion

Minimal Hazard

### Eye Contact

Minimal Irritating

### Skin Contact

Minimal Irritating

### Inhalation as Dust

Large quantities may cause irritation of the respiratory tract and/or coughing.

### Other Toxic Effects

N/A

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS #	OSHA PEL	ACGIH TLV
HarpinaB Protein (Active Ingredient)	None	None Established	None Established
Potassium Phosphate Dibasic	7758-11-4	None Established	None Established
Potassium Phosphate Monobasic	7778-77-0	None Established	None Established
Sodium Thiosulfate; Pentahydrate	10102-17-7	None Established	None Established
Or Anhydrous	7772-98-7	None Established	None Established

#### 4. FIRST-AID MEASURES

##### First Aid Measures

<b>If In Eyes</b>	Flush eyes with plenty of water. Call a physician if irritation persists.
<b>If On Skin</b>	Wash with plenty of soap and water. Get medical attention if irritation persists.
<b>If Inhaled</b>	Remove victim to fresh air. If not breathing, give artificial respiration and get medical attention.

#### 5. FIRE-FIGHTING MEASURES

<b><u>Flash Point (Method)</u></b>	N/A
<b><u>Flammable Limits (Vol. % in air)</u></b>	N/A
<b><u>Auto-ignition Temperature</u></b>	N/A
<b><u>Extinguishing Media</u></b>	Water
<b><u>Unusual Fire and Explosion Hazards</u></b>	None

#### 6. ACCIDENTAL RELEASE MEASURES

Sweep up and dispose of in compliance with all federal, state and local laws.

#### 7. HANDLING AND STORAGE

Store in original sealed container in an area not accessible to children or unauthorized persons. Keep products away from sunlight, moisture and heat. After opening, use promptly. Do not contaminate food, water or feed by handling and storage.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Protective Clothing</b>	Waterproof gloves, long sleeve shirt, pants or overalls, shoes and socks.
<b>Respiratory Protection</b>	None required.
<b>Eye Protection</b>	Chemical goggles or safety glasses with side shields recommended.
<b>Ventilation</b>	Use product outdoors or in a well-ventilated area.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

##### Information on basic physical and chemical properties

<b>Physical State</b>	Granules	<b>Odor</b>	Not determined
<b>Appearance</b>	Tan/Blue Colored Granules	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Tan/Blue Colored Granules		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
<b>pH</b>	6.0-8.5 @ 22°C		
<b>Melting Point/Freezing Point</b>	Not determined		

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<b>Boiling Point/Boiling Range</b>	Not determined
<b>% Volatile</b>	Not determined
<b>Evaporation Rate</b>	Not determined
<b>Solubility in Water</b>	Soluble
<b>Bulk Density</b>	Ca. 0.47 g/mL
<b>Vapor Pressure @ 25°C</b>	Not determined

## 10. STABILITY AND REACTIVITY

### Stability

Stable

### Conditions to Avoid

None Known

### Incompatibility

None Known

### Hazardous Decomposition Products

None Known

## 11. TOXICOLOGICAL INFORMATION

### Toxicity Data

<b>Rat:</b>	Oral LD50 >5050 mg/kg
<b>Rat:</b>	Dermal LD50 >5050 mg/kg
<b>Rat:</b>	Inhalation 4hr. LC50 >0.83 mg/L (max. achievable air concentration)
<b>Rabbit:</b>	Dermal Irritation: Non-irritant
<b>Rabbit:</b>	Eye Irritation: Non-irritant

### No known incidents of hypersensitivity.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity Data

#### **Cladoceran (Daphnia):**

EC50=1473mg/L; NOEC=626 mg/L.

#### **Honeybee:**

No observed toxicity at 13 ug a.i. per bee

A closely related harpin protein (HarpinEA) is classified as practically non-toxic to birds and fish.

**13. DISPOSAL CONSIDERATIONS**

Reseal in original container and dispose of in accordance with all federal, state and local laws.

**14. TRANSPORT INFORMATION**

**DOT Proper Shipping Name:** Not Subject to DOT Hazardous Material regulations 49 CFR Part 171-180

**DOT Hazard Classification:** N/A

**DOT Labeling Requirements:** N/A

**15. REGULATORY INFORMATION**

**Hazardous Substance:** N/A

**Reportable Quantity:** N/A

**16. OTHER INFORMATION**

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**End of Safety Data Sheet**