

Safety Data Sheet

Issue Date: 18-Jun-2014

Revision Date: 19-June-2019

Version 5

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
15 Tinker Ave.
Londonderry, NH 03053

Emergency Telephone Number

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

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

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

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

5. FIRE-FIGHTING MEASURES

| | |
|--|-------|
| <u>Flash Point (Method)</u> | N/A |
| <u>Flammable Limits (Vol. % in air)</u> | N/A |
| <u>Auto-ignition Temperature</u> | N/A |
| <u>Extinguishing Media</u> | Water |
| <u>Unusual Fire and Explosion Hazards</u> | 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

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

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

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

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

Rx Green Solutions, LLC believes that the information and recommendations contained herein are accurate as of the date hereof. The information provided herein applies only to the specific product designated and may not be valid where said product is used in combination with any other material or in any process. If it is the user's responsibility to determine the suitability of the information for their purposes. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN.

End of Safety Data Sheet