

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: BioSpectra™ 100SC **EPA Reg. No.:** 87485-2-64864
Product Code: 10522
Product Use: This product is used as an antimycotic (bio)pesticide formulation
Supplier: Pace International, LLC
Address: 5661 Branch Road, Wapato, WA 98951
Phone Number: 800-936-6750 (Monday-Friday, 7:00 a.m. – 4:00 p.m.)
Medical Emergency Phone Number: 888-271-4649 (PROSAR)
Transportation Emergency Phone Number: 800-424-9300 (CHEMTREC)

2. HAZARDS IDENTIFICATION

OSHA/HCS status While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture:

Not classified.

Precautionary statements

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| Prevention | Not applicable. |
| Response | Not applicable. |
| Storage | Not applicable. |
| Disposal | Not applicable. |

Hazard Symbols:

No signal word.

Hazard Statements:

No known significant effects or critical hazards.

Hazards not otherwise classified

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Ingredient</u> | <u>CAS #</u> | <u>Concentration (w/w %)</u> |
|-------------------|-----------------|------------------------------|
| Mixture | Not applicable. | 100 % |

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

General Have the product container, label or Safety Data Sheet with you when calling a poison control center or physician, or going for treatment. You may also contact PROPHARMA (PROSAR) 1-888-271-4649 for emergency medical treatment information.

Advice:

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation occurs.

If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

If on Skin: Take off contaminated clothing. Wash skin with plenty of soap and water/shower. If redness, burning, or irritation persists, get medical advice/attention. Wash contaminated clothing before reuse.



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| If Swallowed: | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| Most important Symptoms / effects, acute and | Inhalation exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. |
| Delayed: Most important Symptoms / effects, acute and | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. No specific treatment. |

5. FIRE FIGHTING MEASURES

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| Suitable Extinguishing Media: | Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable Extinguishing Media: | None known. |
| Special Hazards Arising from the Chemical: | In a fire or if heated, a pressure increase will occur and the container may burst. |
| Hazardous thermal decomposition products | Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides Nitro dye. |
| Special Protective Equipment / Procedures for Firefighters: | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

6. ACCIDENTAL RELEASE MEASURES

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| Personal Precautions: | Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. |
| Environmental Precautions: | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Containment / Clean-Up Small Spill: | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| Containment / Clean-Up Large Spill: | Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |



7. HANDLING & STORAGE

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| Handling: | Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. |
| Storage: | Store between the following temperatures: 5 to 25°C (41 to 77°F). Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Store in original container, protected from direct sunlight. Keep in a cool place. |
| Suitable Packaging: | Polyethylene. Polypropylene. Stainless steel . |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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| Occupational Exposure Limits: | None. |
| Engineering Controls: | Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |
| Personal Protective Equipment : | <p>Clothing: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.</p> <p>Eye/face Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.</p> <p>Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. 4 - 8 hours (breakthrough time): Rubber ; Replace damaged gloves.</p> <p>Respiratory Protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. In case of insufficient ventilation, wear suitable respiratory equipment.</p> |

9. PHYSICAL & CHEMICAL PROPERTIES

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| Physical state: | Liquid. [suspension] | Upper/Lower flammability limits: | Not available |
| Appearance: | White to off-white. Depending on type. | Vapor pressure: | Not available |
| Odor: | Practically odourless | Vapor density: (air =1) | Not available |
| Odor threshold: | Not available | Specific Gravity: (H₂O = 1) | Not available |
| pH: | 4 to 5 (Concentration 100%) | Solubility: | Not available |
| Melting/Freezing point: | Not available | Partition coefficient (n-octanol-water): | Not available |
| Boiling point: | Not available | Auto-ignition temperature: | Not available |
| Flash point: | [Product does not sustain combustion.] | Decomposition temperature: | Not available |
| Evaporation rate: | Not available | Viscosity: | Dynamic (room temperature): 600 to 1300 mPa·s (600 to 1300 cP) |
| Flammability (solid, gas): | Not applicable | | |



10. STABILITY & REACTIVITY

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| Reactivity hazards: | No specific test data related to reactivity available for this product or its ingredients. |
| Chemical stability: | The product is stable. |
| Possibility of Hazardous Reactions: | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid: | Temperatures below : 0 °C |
| Incompatible materials: | No specific data. |
| Hazardous decomposition products: | Carbon oxides (CO, CO ₂) |

11. TOXICOLOGICAL INFORMATION

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| Acute toxicity: | Acute Oral: | LD ₅₀ (estimate): > 27300 mg/kg | Based on BioSpectra 100SC |
| Skin corrosion/irritation: | Prolonged or repeated skin contact may be irritating. | | |
| Eye damage/irritation: | May cause eye irritation. | | |
| Respiratory/Skin sensitization: | Not available. | | |
| Germ cell mutagenicity: | Not available | | |
| Carcinogenicity: | Not available. | | |
| Reproductive toxicity: | Not available. | | |
| Target organ effects: | Not available. | | |
| Aspiration hazard: | Not available. | | |
| Potential health effects: | Inhalation exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. | | |

12. ECOLOGICAL INFORMATION

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| Toxicity: | LC50 (96-hr) fish: > 100 mg/L | Based on BioSpectra 100SC |
| Persistence/ degradability: | Readily | |
| Bioaccumulative potential: | Not available | |
| Mobility in soil: | Not available | |
| Other adverse effects: | No known significant effects or critical hazards. | |

13. DISPOSAL CONSIDERATIONS

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| Disposal methods: | The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of Spilled material and runoff and contact with soil, waterways, drains and sewers. Incinerate in a licensed, high-temperature, hazardous-waste incinerator. |
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14. TRANSPORT INFORMATION

| | <u>DOT</u> | <u>IMDG</u> | <u>IATA</u> |
|------------------------------|----------------|----------------|----------------|
| UN number: | Not applicable | Not applicable | Not applicable |
| Proper shipping name: | Not regulated | Not regulated | Not regulated |
| Hazard class(es): | Not applicable | Not applicable | Not applicable |
| Packing group: | Not applicable | Not applicable | Not applicable |
| Marine Pollutant: | Not applicable | | |
| Special precautions: | None | | |

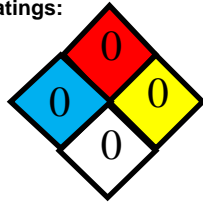


15. REGULATORY INFORMATION

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| US FEDERAL REGULATIONS | TSCA 8(a) CDR Exempt/Partial exemption: Not determined United States inventory (TSCA 8b): Not determined. | |
| Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) | Not listed. | |
| Clean Air Act Section 602 Class I Substances | Not listed. | |
| Clean Air Act Section 602 Class II Substances | Not listed. | |
| DEA List I Chemicals (Precursor Chemicals) | Not listed. | |
| DEA List II Chemicals (Essential Chemicals) | Not listed. | |
| SARA 302/304 | No products were found. | |
| SARA 304 RQ | Not applicable. | |
| US STATE REGULATIONS | | |
| US. Massachusetts RTK - Substance List | Not listed. | |
| US. New York RTK – Hazardous Substance List | Not listed. | |
| US. New Jersey Worker and Community Right-to-Know Act | Not listed. | |
| US. Pennsylvania Worker and Community Right-to-Know Law | Not listed. | |
| International Regulations | | |
| Chemical Weapon Convention List Schedules I, II, & III Chemicals | Not listed. | |
| Montreal Protocol (Annexes A, B, C, E) | Not listed. | |
| Stockholm Convention on Persistent Organic Pollutants | Not listed. | |
| Rotterdam Convention on Prior Inform Consent (PIC) | Not listed. | |
| UNECE Aarhus Protocol on POPs and Heavy Metals | Not listed. | |
| Inventory status | | |
| Country(s) or region | Inventory name | On inventory (yes/no)* |
| Canada | Domestic Substances List (DSL) | Not Determined |
| Canada | Non-Domestic Substances List (NDSL) | Not Determined |

16. OTHER INFORMATION

HMIS Ratings: Health – 0 Flammability – 0 Reactivity – 0
 NFPA Ratings:



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This Safety Data Sheet (SDS) may provide more information than the product label but does not replace or modify the product labeling (attached to and accompanying the product container). The product SDS and the product label both provide consistent and important health, safety, and environmental information as required by the Occupational Health and Safety Act (29 CFR 1910.1200, "Hazcom"). This requirement covers employers, employees, emergency responders, users and others handling the product. All necessary hazard classification and appropriate precautionary, use, storage, and disposal information is set forth on the labeling and the SDS.

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Changes since last New SDS

revision:

Replaces MSDS dated: ---

Code: 10522

