

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: BioSpectra™ 100SC **EPA Reg. No.:** 87485-2-64864
Chemical Name: Antimycotic preparation. (aqueous suspensions)
Product Code: 10522
Product Use: This product is used as an antimycotic (bio)pesticide formulation
Manufacturer/Importer/Supplier/Distributor information
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 (PROPHARMA)
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:

Physical Hazard, not classified.
 Health Hazard, not classified.
 Environmental Hazard, not classified.

Hazard Symbols:

No signal word.

Precautionary statements

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

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>%</u>
Mixture	Not applicable.	100 %
Chemical Name	Antimycotic preparation. (aqueous suspensions)	

<u>Ingredient name</u>	<u>CAS number</u>	<u>%</u>
non dangerous component(s)	---	80.9 – 88.89
Natamycin	7681-93-8	3.5 – 10.5
sodium chloride	7647-14-5	7.6 – 8.4
citric acid	77-92-9	0.01 – 0.2

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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 Advice:

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 1-888-271-4649 for emergency medical treatment information.

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.

If Swallowed:	Wash out mouth with water. 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 Delayed:	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

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 combustion products:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides halogenated compounds
Special protective equipment and precautions for firefighters:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Fire-fighting equipment/instructions:	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

Personal precautions, protective equipment and emergency procedure	
For non-emergency	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
For the staff of Emergency Response	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".
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

Precautions for safe handling	
Protective measures	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	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. See also Section 8 for additional information on hygiene measures.
Conditions of secure storage, including any incompatibility	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). Store in original container, protected from direct sunlight. 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

Packaging materials	unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Appropriate(s)	Keep in a cool place. Polyethylene. Polypropylene. Stainless steel.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:	None.
Technical controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Appropriate Exposure control environmental	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 :	
Hygienic measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Protection of the eyes and face	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.
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.
Protection of the body	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.
Other protection for the skin	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
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.
Remarks:	In case of insufficient ventilation, use appropriate breathing apparatus.

9. PHYSICAL & CHEMICAL PROPERTIES

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

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	Under normal conditions of storage and use, hazardous reactions will not

Reactions: occur.
Conditions to avoid: Temperatures below : 0 °C
Incompatible materials: No specific data.
Hazardous decomposition products: Carbon oxides (CO, CO₂)

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Product/ingredient name	Result	Species	Dose	Exposure
Antimycotic preparation. (aqueous suspensions)	LD50 Oral	Rat	>27300 mg/kg	-
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.			
Teratogenicity	Not available.			
Specific target organ toxicity (single exposure)	Not available.			
Specific target organ toxicity (repeated exposure)	Not available.			
Aspiration hazard:	Not available.			
Potential health effects:	No known significant effects or critical hazards.			
Symptoms related to the physical, chemical and toxicological characteristics	No specific data.			
Delayed and immediate effects and also chronic effects from short and long term exposure	Not available.			
Potential chronic health effects	No known significant effects or critical hazards.			

12. ECOLOGICAL INFORMATION

Toxicity:

Product/ingredient name	Species	Result
Antimycotic preparation. (aqueous suspensions)	Fish	LC50 >100 mg/l, 96 hours
Persistence/ degradability:	Not available.	
Biodegradability	Readily	
Bioaccumulative potential:	Not available	
Mobility in soil:	Not available	
Other adverse effects:	No known significant effects or critical hazards.	

13. DISPOSAL CONSIDERATIONS

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.

Remarks:

Incinerate in a licensed, high-temperature, hazardous-waste incinerator.

14. TRANSPORT INFORMATION

	<u>DOT</u>	<u>IMDG</u>	<u>IATA</u>
UN number:	Not regulated.	Not regulated.	Not regulated.
Proper shipping name:	-	-	-
Hazard class(es):	-	-	-
Packing group:	-	-	-
Environmental hazards:	No	No	No
Special precautions for user:	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.		

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS	TSCA 8(a) CDR Exempt/Partial exemption: Not determined United States inventory (TSCA 8b): Not determined.
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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.

US. California Proposition 65

Not listed.

International Regulations

Not listed.

Remarks

The product is in line with EU directive 90/128 and its amendments (relating to plastic materials and articles intended to come into contact with food) and with specific national legislation on cheese coatings.

16. OTHER INFORMATION

The information provided in this Safety Data Sheet (SDS) is provided in good faith and believed to be accurate at the time of preparation of the SDS. However, Pace International, LLC and its subsidiaries or affiliates extend no warranties, make no representations, and assume no responsibility as to the accuracy, suitability, or completeness of such information. Additionally, neither Pace International, LLC nor any of its subsidiaries or affiliates represents or guarantees that this information or product may be used without infringing the intellectual property rights of others. It is the users' own responsibility to determine the suitability of this information for their own particular use of this product. If necessary, contact Pace International, LLC to confirm that you have the most current product label and SDS.

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.

SDS preparation date: September 26, 2025
Changes since last Rebranding
revision:

Replaces MSDS dated: May 24, 2022
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