



Bactri-Pond

MATERIAL SAFETY DATA SHEET

EMERGENCY TELEPHONE NUMBER (613)996-6666

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Bactri-Pond
Supplier/Manufacturer: Canadian Bio-Systems Inc.
Calgary, Alberta

2. COMPOSITION/PHYSICAL DATA

Description: Off-white powdered enzyme and microbial preparation
Chemical / Microbial Name: *Bacillus sp.*
Formula: N/A
Physical Data: Melting Point: N/A
Freezing Range: N/A
Specific Gravity: N/A
Vapour Pressure: N/A
Solubility: Soluble in Water

3. FIRE AND EXPLOSION HAZARDS

Flash point: Not established.
Fire extinguishing media: CO2 dry chemical as appropriate for surrounding fire and materials.
Fire and Explosion data: Dry, free flowing powder may present a dust explosion hazard.
Special fire fighting procedure: Use same procedures as under fire extinguishing media. Evacuate personnel to an area upwind and remove un-needed materials.

4. STABILITY AND REACTIVITY

This product is stable under normal conditions of use. Dusts can form explosive clouds at concentrations above 50g/m³. These dust clouds have a minimum cloud ignition temperature of 400 ° C. No hazardous decomposition products have been identified.

5. OCCUPATIONAL EXPOSURE LIMIT

Personal protection is necessary in circumstances where there is accidental or uncontained release of product.



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- Respiratory protection: Respirator approved for solid and liquid particulates including dusts and mists e.g. 3M 8810 mask or respirator with P3 filter.
- Primary Routes of Exposure: Skin, eye, and respiratory contact.
- Hand Protection: Impermeable gloves.
- Eye Protection: Protective glasses
- Signs and symptoms of over-exposure:
- 1) Acute Over-Exposure: Possible skin, eye and respiratory irritant in certain individuals.
 - 2) Chronic Over-Exposure: Repeated inhalation of aerosol can sometimes cause sensitization in susceptible individuals.

Medical conditions generally aggravated by exposure: Allergy to enzyme proteins.

6. EMERGENCY AND FIRST AID PROCEDURES

Rinse thoroughly with water, remove from exposure and provide fresh air. In case of irritation or allergic symptoms, seek medical attention.

7. ACCIDENTAL RELEASE MEASURES

- Spill: Vacuum or moisten with water. Collect into closed disposal container. Spill area should be flushed with water to approved sewer (avoid high pressure rinsing). Do not use cleaning methods that generate dust or aerosol.
- Disposal: Dispose closed containers of materials into landfill in accordance with applicable regulations.

8. SPECIAL PROTECTION INFORMATION

Powdered enzymes should be handled with care. Airborne dust or aerosols can develop during spillage, material transfers, vigorous stirring of solutions, steam cleaning and high pressure water flushing. Any operation, which might create dust or aerosol, should take place in areas that are provided with adequate exhaust or other forms of mechanical control systems.

Store product in dry and cool conditions. This product is capable of forming flammable dust clouds in the air, but this hazard is not significant under normal conditions of use in the industry. Sources of ignition should be eliminated and build up of dust on floors and equipment avoided.

Skin Protection: Rubber gloves.

Eye Protection: Safety goggles.



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Respiratory Protection: NIOSHA/OSHA approved device for dusts, if potential to inhale dusts may occur.
Ventilation: Good local ventilation.

9. HANDLING AND STORAGE PROCEDURES

Store in a cool, dry place in closed container to prevent dusting.

10. HEALTH HAZARD DETERMINATION

Repeated inhalation of enzyme dust may cause sensitization and will cause allergic type reactions in sensitized individuals. Prolonged skin contact may cause irritation. OSHA permissible exposure limits: None established. TWA: None established. STEL: None established. *Chemicals listed as carcinogen or potential carcinogen: None. This product is biodegradable.

11. TRANSPORT INFORMATION

This product is not a dangerous goods according to international regulations for transport.

12. OTHER INFORMATION

This product is to the best of our knowledge, complete and accurate. Canadian Bio-Systems Inc. uses many sources and references for gathering this information. Thus, Canadian Bio-Systems Inc. cannot guarantee completeness or accuracy and disclaim all liability for handling or use.

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