



## SAFETY DATA SHEET

In accordance with the Hazardous Products Regulations (HPR)

### BACTERIUS 1B

#### SECTION 1: IDENTIFICATION

<b>Product name</b>	<b>BACTERIUS 1B</b>
<b>Product codes</b>	<b>B1B</b>
<b>Uses</b>	Removes Organic matter for fresh and salt water
<b>Restricted use</b>	<b>Not available</b>
<b>Supplier</b>	
<b>Name</b>	<b>Canadianpond.ca Products Ltd.</b>
<b>Address</b>	<b>570 ch Knowlton Lac-Brome, Québec, J0E 1V0, Canada</b>
<b>Telephone</b>	<b>+1 450-243-0976</b>
<b>Contact email</b>	<b>info@canadianpond.ca</b>
<b>Emergency telephone number</b>	<b>Canutec - 24 hours emergency contact no 613-996-6666 Quebec Centre antipoison (24 h service) Quebec: (418) 656-8090 Other regions: (800) 463-5060</b>

#### SECTION 2: HAZARDS IDENTIFICATION

##### Classification of substances or mixtures

**GHS classification** May irritate eyes - Category 2A

##### Labelling element

**Signal Word:** Warning

**Danger Symbol:**



##### Hazard statements

**Physical hazards:** None.  
**Health hazards: H319:** May irritate eyes.  
**Environmental hazards:** None.

##### Preventive Measures:

###### **Prevention:**

P260: Do not breathe dust / smoke / gases / vapours / aerosol.  
P264: Wash hands after handling.  
P270: Do not ingest, drink or smoke when handling the product.

###### **Processing:**

P305+P351+P338: IF IN EYES: Flush with plenty of water for several minutes. Remove contact lenses if present and easy to make. Continue rinsing.  
P337+P313: If irritation persists, consult a doctor.

###### **Storage and disposal:**

P405: Store in a dry place.  
P501: Dispose of the container and contents in accordance with local/regional/federal/international regulations.



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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Matériaux dangereux:

Nom chimique	Identifiants	% (poids)	DL <sub>50</sub> /CL <sub>50</sub>	Classifications selon le règlement	Commentaires
Percarbonate de sodium	(CAS NO.) 15630-89-4	5-15	2400mg/kg (Rat-Oral)	Solides oxydants – Catégorie 3 Toxicité orale – Catégorie 4	---

\*Le pourcentage exact (concentration) de la composition est retenu comme secret commercial.

### SECTION 4: FIRST AID MEASURES

#### Description of First-Aid Measures

- Inhalation:** Remove to fresh air. Seek medical attention if symptoms occur.
- Skin Contact:** Wash affected area with plenty of soap and water for at least 15 minutes. Remove contaminated clothing/footwear. Get medical attention if irritation persists. Wash clothing before reuse.
- Eye Contact:** Rinse eyes with plenty of water, making sure to get under the upper and lower eyelids. If applicable, remove contact lenses after 5 minutes and continue to flush eye after removal. Get medical attention immediately if irritation persists.
- Ingestion:** DO NOT induce vomiting. Dilute with plenty of water or milk. Never give anything by mouth to a convulsing or unconscious patient. Get medical attention immediately.

**Symptoms and Effects, both Acute and Delayed:** Refer to "Section 11: Toxicological Information".

**Immediate Medical Attention/Special Treatments:** If medical advice is needed, have product container or label at hand. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

### SECTION 5: FIRE-FIGHTING MEASURES

- Flammable Properties:** Non-flammable.
- Suitable Extinguishing Media:** Dry chemical, water spray, or carbon dioxide.
- Unsuitable Extinguishing Media:** None.
- Special Hazards arising from the Substance or Mixture:** None known.
- Precautions for Fire-Fighters:** Exercise caution when fighting any chemical fire. Firefighters' protective clothing will only provide limited protection. Wear chemical protective clothing, including respiratory protection. Move containers from the area on fire if it can be done without risk.



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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

- General Measures:** Equip clean-up crew with proper protection. Ensure the area is well ventilated and use appropriate respiratory protection if isn't. Evacuate unnecessary personnel.
- Protective Equipment:** Always use appropriate personal protective equipment (PPE). Do not touch and avoid walking through spilled material. Do not touch damaged containers unless equipped with PPE.
- Emergency Procedures:** As an immediate precautionary measure, isolate spill or leak if it can be done safely. Eliminate all ignitions sources (Smoking, flares, sparks, or flames). Ventilate closed areas before entering. If outdoors, stay upwind.
- Environmental Precautions:** Avoid run off and prevent entry to waterways, sewers, and public waters. Dispose of waste in accordance with local, regional, national, and/or international regulations.
- Containment & Clean-up Measures:** Clean up spill immediately and dispose of waste safely. Stop leak and isolate spill if it can be done safely. For more information on safe disposal, please refer to "Section 13: Disposal Considerations".

## SECTION 7: HANDLING AND STORAGE

- Precautions for Safe Handling:** Before use carefully read the product label. Always handle empty containers with care as they may retain residual product. Ensure ventilation is adequate when using this product. Handle in accordance with good industrial hygiene and safety procedures. Wash hands or other exposed areas thoroughly with soap and water before eating, drinking, or smoking and again when leaving work.
- Conditions for Safe Storage:** Ensure containers are properly labelled and protected from physical damage when not in use. Check regularly for leaks or spills. Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from combustible substances and away from heated areas, sparks and flame.
- Storage Incompatibilities:** Store away from children, food items, and potable water. Store in an area out of direct sunlight.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Control Parameters:

Exposure Limits/Guidelines					
Substance	Results	Canada (Ontario)	ACGIH	NIOSH	OSHA
Bacterius 1B	STEL	NDA	NDA	NDA	NDA
	TWA (PEL)	NDA	NDA	NDA	NDA



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### Exposure Controls

**Engineering Measures/Controls:** Use adequate ventilation to control the concentration of airborne contaminants and ensure it stays below the applicable exposure limit values. Gas detectors should be used when gases or vapors are released. Ensure all local/national regulations are met.

**Individual Protection Measures:** Use proper protective equipment. Wear safety goggles and protective gloves when handling this product. Avoid dermal exposure. In case of insufficient ventilation, or if exposure limits are exceeded or symptoms are experienced, use a NIOSH/MSHA approved respirator. Always handle product in accordance with good industrial hygiene and safety practice.

### **Key to Abbreviations:**

**NIOSH:** National Institute of Occupational Safety and Health

**MSHA:** Mine Safety and Health Administration

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Material Description			
Appearance	Tan, grain-like substance	Flammability	Non Flammable
Odor	Earthy	Explosive Limits	No data available
Odor Threshold	No data available	Vapor Pressure	Not applicable
pH	6.8-8.5	Vapor Density	Not applicable
Melting Point	Not applicable	Relative Density	0.5-0.61g/cm <sup>3</sup>
Freezing Point	Not applicable	Solubility	Minimal
Initial Boiling Point	Not applicable	Partition Coefficient	No data available
Boiling range	Not applicable	Auto-Ignition Temperature	No data available
Flash Point	No data available	Decomposition Temperature	No data available
Evaporation Rate	Not applicable	Viscosity	Not applicable

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity Data:

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** None known. Hazardous polymerization will not occur.

**Hazardous Decomposition Products:** None known.

**Conditions to avoid:** Store out of direct sunlight.

**Incompatible Materials:** Strong acid or alkali compounds may inactivate biological cultures.



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### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects

##### Acute Toxicity

Chemical Name	Oral LD <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation LC <sub>50</sub>
Bacterius 1B	>5000mg/kg	No data available	No data available

##### Health Hazards

GHS Properties	Classification
Aspiration Hazard	Not classified
Skin Corrosion/Irritation	Not classified
Serious Eye Damage/Irritation	<b>Category 2A</b>
Respiratory Sensitization	Not classified
Skin Sensitization	Not classified
Carcinogenicity (IARC)	Not classified
Germ Cell Mutagenicity	Not classified
Reproductive Toxicity	Not classified
STOT – Single Exposure	Not classified
STOT – Repeated Exposure	Not classified

\*STOT: Specific Target Organ Toxicity

**Target Organ:** Not Applicable.  
**Routes of Entry:** Not Applicable.

Symptoms	Acute	Chronic
After Inhalation	May cause mucous membrane irritation	No data available
After Eye Contact	Transient severe irritation	May cause permanent eye damage
After Ingestion	May cause gastrointestinal tract irritation	No data available

### SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Minimal impact under normal conditions. The bacterial cultures are naturally occurring soil type organisms. The carriers are naturally occurring materials.

#### Persistence and Degradability:

**Soil:** Product is biodegradable  
**Water:** Disperses in water.

**Bioaccumulative Potential:** Not likely.  
**Mobility in the Soil:** No data available.  
**Other adverse Effects:** None known.

### SECTION 13: DISPOSAL INFORMATION

#### Waste Treatment Methods

**Product Waste:** To be disposed of as hazardous waste. Dispose of waste in accordance with local, regional, national, and/or international regulations.



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**Packaging Waste:** Dispose of container or packaging in accordance with local, regional, national, and/or international regulations.

## SECTION 14: TRANSPORTATION INFORMATION

**UN Number:** Not UN regulated.

**UN Proper Shipping Name:** Not UN regulated.

**Transport Hazard Class**

**Required Labels:** None.

**Transport Category:** Not TDG regulated.

**Packing Group:** Not TDG regulated.

**Environmental Hazards:** Please refer to "Section 12: Ecological information"

**Transport in Bulk (according to Annex II of MARPOL 73/78 and the IBC code):** No data available.

**Special Precautions for User:** Please refer to "Section 7: Handling and Storage".

## SECTION 15: REGULATORY INFORMATION

**Safety, Health, and Environmental Regulations:**

**International Inventories:**

Chemical	AICS	TSCA	DSL	NDSL	EINECS/ELIN	ENCS	IECS	KECL	PICCS
Bacterius 1B	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA

**Inventory Legend:**

- AICS: Australian Inventory of Chemical Substances
- TSCA: United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL: Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS: European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS: Japan Existing and New Chemical Substances
- IECSC: China Inventory of Existing Chemical Substances
- KECL: Korean Existing and Evaluated Chemical Substances
- PICCS: Philippines Inventory of Chemicals and Chemical Substances

The information contained in this data sheet does not constitute an assessment of workplace risks.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

## SECTION 16: OTHER INFORMATION

The product formulation contains a range of naturally occurring plant extracts which are known to be non-pathogenic to man or animals.

Further details may be available upon request from your local BACTERIUS distribution site.



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### Abbreviation Key/Legend:

<b>NA:</b>	Not Applicable
<b>NDA:</b>	No Data Available
<b>CAS:</b>	Chemical Abstract Service
<b>IARC:</b>	International Agency for Research on Cancer
<b>ACGIH:</b>	American Conference of Governmental Industrial Hygienists
<b>NIOSH:</b>	National Institute of Occupational Safety and Health
<b>OSHA:</b>	Occupational Safety and Health Administration
<b>MSHA:</b>	Mine Safety and Health Administration
<b>EC No.:</b>	Reference number used by the European communities to identify dangerous substances
<b>LD50:</b>	Chemical dose which kills 50% of the test population
<b>LC50:</b>	Concentration of a chemical which kills 50% of the test population
<b>TWA:</b>	Time weighted average
<b>STEL:</b>	Short Term Exposure Limit

The information contained in this form is based on data from sources considered technically reliable and has been provided in good faith in accordance with the available material. It is provided as a service to the persons using the product but conditions of use and handling may involve other and additional consideration beyond our control. No warranty, expressed or implied, is made and we will not be liable for any damages, losses, injuries or consequential damages which may result from the use or reliance on any information in this form.

Date d'émission: 2016-07-22

Date de révision: 2018-06-19