

Section 1 Identification of the mixture and of the Company	
1.1	Product identifier
	Product Name Bb-Prottec
	Synonyms Eco-Bb
1.2	Relevant identified uses of the mixture and uses advised against
	Use of the product Bioinsecticide
	Uses advised against N/A
1.3	Details of the supplier of the Safety Data Sheet
	Manufacturer Plant Health Products (Pty) Ltd.
	Address P.O. Box 207 Nottingham Road 3280, South Africa
	Supplier Andermatt Canada Inc.
	Address 1350 Regent Street Fredericton, New Brunswick Canada E3C 2G6
	Phone +1 (506) 444-5690
	E-mail info@andermattcanada.ca
1.4	Emergency Telephone Number
	Phone (medical) 1-888-870-6444
Section 2 Hazards Identification	
2.1	Classification of the mixture
	Not Classified; No hazardous components
2.2	Label elements
	IN THE CASE OF EYE CONTACT: Rinse cautiously with water for several minutes. Removing existing contact lenses if possible. Continue rinsing. Keep out of the reach of children. Store locked up. To avoid risks to human health and the environment, comply with the instructions for use. Contains <i>Beauveria bassiana</i> spores. May produce an allergic reaction. Potential Sensitizer; do not breath dust CAUTION – Eye irritant
2.3	Other hazards
	This mixture does not contain any substances, which are persistent, bioaccumulative and toxic (PBT). This mixture does not contain any substance which are very persistent, and bioaccumulative (vPvB).
Section 3 Composition/Information on Ingredients	
3.1	Substances
	This product is a mixture
3.2	Mixtures
	<i>Beauveria bassiana</i> strain R444 spores in a carrier. No hazardous component.

Section 4	First Aid Measures	
4.1	Description of first aid measures	
	General Notes	Change any contaminated or wetted clothing at once. If poisoning occurs contact a doctor.
	Following Inhalation	Move to fresh air, rest, half upright position, loosen clothing. Oxygen or artificial respiration if there is difficulty in breathing. Seek medical advice after significant exposure. Treat symptomatically is advised.
	Following skin contact	Remove contaminated clothing. Seek medical advice if irritation develops. Wash clothes before reuse. After contact with skin, wash immediately with plenty of water.
	Following eye contact	Rinse thoroughly with plenty of water for several minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing.
	Following ingestion	No typical symptoms and affects known
	Advice to physician	Treat symptomatically
4.2	Most important symptoms and effect, both acute and delayed	
	No typical symptoms and effects known.	
4.3	Indication of any immediate medical attention and special treatment needed.	
	None	
Section 5	Firefighting measures	
5.1	Extinguishing media	
	Suitable extinguishing media	Water, foam, carbon dioxide
	Unsuitable extinguishing media	None
5.2	Special hazards arising from the mixture	
	Carbon monoxide, carbon dioxide	
5.3	Advice for firefighters	
	None	
Section 6	Accidental release measures	
6.1	Personal precautions, protective equipment and emergency procedures	
	Use protective clothing, gloves, safety goggles and boots. Do not inhale.	
6.2	Environmental precautions	
	Prevent entry into drains, waters, sewages, etc. of the product; contact immediately the municipal technical management if the product enters such bodies.	
6.3	Methods and material for containment and cleaning up	
	Sweep or vacuum, without creating dust, into a suitable container for disposal and was area with water.	
6.4	Reference to other sections	
	See personal protective equipment under Section 8 of SDS.	

Section 7 Handling and Storage

7.1 Precautions for safe handling

The usual precautions for handling chemicals should be observed. Ensure adequate ventilation when handling. Respiratory protection is recommended.

7.2 Conditions for safe storage, including any incompatibilities

Must be stored under cool, dry conditions between 4 and 10°C. Avoid contact with fungicides and all toxic materials.

7.3 Specific end use(s)

Bioinsecticide

Section 8 Exposure controls/personal protection

8.1 Control parameter

The usual precautionary measures for handling chemicals should be observed. Provide adequate ventilation.

8.2 Exposure controls

Eye/Face Protection

Use goggles or a face shield

Skin Protection

Use Protective Clothing

Respirator Protection

A NIOSH approved mist filtering mask or respirator with any N-95, P-95 or R-95 filter.

Thermal Hazards

No specific recommendations

Other information

None

Section 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical State

Fine granular

Color

White

Odor

Slight mushroomy color

Odor Threshold

Not determined

pH

6.5-7.5

Melting point/freezing point

Not available

Initial boiling point and boiling range

Not applicable

Flash Point

Not flammable

Evaporation Rate

Not determined

Flammability

Not flammable

Upper/Lower flammability or explosive limits

Not flammable

Vapor Pressure

Not applicable

Vapor Density

Not relevant

Relative Density

0.4 g/cm³

Solubility(ies)

Partly Soluble

Partition coefficient: n-cotanol/water

Not applicable

Auto-ignition temperature

Not available

Decomposition temperature

Not determined

Viscosity	Not determined
Explosive Properties	Non explosive
Oxidising properties	Not determined

9.2 Other Information

None

Section 10 Stability and Reactivity

10.1 Reactivity

Not reactive

10.2 Chemical stability

No decomposition if stored and handled properly

10.3 Possibility of hazardous reactions

None relevant

10.4 Conditions to avoid

Minimize dust formation. Avoid very low or very high temperatures.

10.5 Incompatible materials

Fungicides and toxic compounds

10.6 Hazardous decomposition products

None

Section 11 Toxicological Information

11.1 Information of toxicological effects

Acute toxicity	Mouse, 1x10 ⁸ cfu/animal, not toxic or pathogenic
Skin corrosion/irritation	Not determined
Serious eye damage/irritation	Not determined
Respiratory or skin sensitization	Not determined
Germ cell mutagenicity	Not determined
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not existing
STOT-repeated exposure	Not existing
Aspiration hazard	Not relevant

Section 12 Ecological Information

12.1 Toxicity

Acute (short-term) toxicity

Fish	Not determined
Crustacea	Not determined
Algae/aquatic plants	Not determined
Other organisms	Not determined

Chronic (long-term) toxicity

Fish	Not determined
Crustacea	Not determined
Algae/aquatic plants	Not determined
Other organisms	Not determined

12.2 Persistence and degradability

Abiotic Degradation	Not determined
Physical and photo-chemical elimination	Not determined
Biodegradation	Biodegradables

12.3 Bioaccumulative potential

Octanol/water partition coefficient (Kow)	Not determined
Bioconcentration factor (BCF)	Not determined

12.4 Mobility in Soil

Known or predicted distribution to environmental compartments	Not determined
Surface tension	Not determined
Absorption/desorption	Not determined

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects

None

12.7 Additional information

Is potentially pathogenic to honeybees. Avoid application to areas where honeybees are actively foraging or around bee hives.

Section 13 Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal	Triple-or pressure rinse the empty container. Add the rinsings to the spray mixture in the tank. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for use. Dispose of the container in accordance with provincial regulations. For information on disposal of unused, unwanted product, contact the supplier or the provincial regulatory agency. Contact the supplier or the provincial regulatory agency in cause of a spill, and for clean-up of spills.
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Waste codes/waste designations according to LoW	Not applicable
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Waste treatment-relevant information	None
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Sewage disposal-relevant information	Waste should not be disposed of by release to sewers
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Other disposal Recommendations	None
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Section 14 Transport Information

Inland Transportation	Not restricted
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Sea Transportation	Not restricted
Air Transportation	Not restricted

Section 15 Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the mixture

Authorizations	Not relevant
Restrictions on use	Not relevant

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

Section 16 Other Information

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for their special use of this product.

Indication of Changes

Date of Review	March 8, 2021
Composed by	Laura Forbes, International Business and Regulatory Affairs Manager Andermatt Canada Inc.