



SAFETY DATA SHEET

1. IDENTIFICATION

Product Name:	Full BAC™
Intended Use/Restrictions of use:	Free-living, composting soil inoculum for improved soil fertility and microbial balance.
Details of Supplier of SDS:	<p>Wilchem (Pty) Ltd 39 Jonal Drive Cavan, SA 5094 E-mail: adminsa@wilchem.com.au Emergency telephone: (08) 8359 6855</p>

2. HAZARDS IDENTIFICATION

Classification of the Substance	CLP / GHS / Hazcom 2012 Classification: Not classified as hazardous
Skin Contact:	Non-irritant
Eye Contact:	Non-irritant
Inhalation:	Not an inhalation hazard under normal conditions of use.
Ingestion:	Low toxicity product. It is highly unlikely that a sufficient quantity would be accidentally swallowed to cause any injury.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS#	EC#	Classification GHS
<i>Bacillus amyloliquefaciens</i>	Not assigned	Not assigned	Not classified as hazardous

Bacillus amyloliquefaciens. In pH buffered solution. Not classified as hazardous.

4. FIRST AID MEASURES

Skin Contact:	Wash exposed skin with soap and water.
Eye Contact:	Flush thoroughly with water for 15 minutes. If any irritation persists, seek medical attention.
Inhalation:	Not an inhalation hazard under normal conditions of use.
Ingestion:	Drink water do not induce vomiting. Seek medical attention.
Advice to Physician:	Symptomatic treatment

5. FIRE-FIGHTING MEASURES

Type of Material:	Non-combustible liquid.
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Extinguishing Media:	This product is not flammable or combustible. If caught in a fire, use media appropriate for surrounding fire.
Special Exposure Hazards:	This product does not burn freely. Responders should take into consideration the hazardous risk associated with responding to a fire in the area where the material may be stored or handled
Special Protective Equipment:	Normal firefighting bunker gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use protective clothing, gloves, safety goggles and boots. Do not swallow.
Environmental Precautions:	Avoid disposal of large amounts into drains, surface water or groundwater.
Disposal Method(s):	Carefully clean up spilled material and wash exposed area with soap and water. Dispose material into suitable container, within local regulations.

7. HANDLING AND STORAGE

Handling Precautions:	Follow Biosafety Level 1 procedures. Do not eat or drink while handling the product. Wash exposed skin with soap and water after handling this product.
Storage Conditions:	Store in accordance with package instructions. Do not freeze. Store in a cool, dry and dark place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:	Standard precautionary measures for handling chemicals should be observed.
Exposure Controls:	
Eye / face protection	Use safety goggles.
Skin protection	Use protective clothing & gloves.
Respiratory protection	No specific recommendation.
Thermal hazards	None.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information:



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Appearance:	Liquid
Colour:	Slightly yellow cloudy colour
Smell:	No significant odour
Formulation Type:	Liquid (LQ)
Storage Stability:	Store at room temperature. Minimize temperature fluctuations
Shelf Life:	6 months at room temperature.
Bulk Density:	1000 kg/m ³
Flammability:	Non-flammable
Flash Point:	Not applicable
pH:	pH 7
pH of 1% Aqueous Dilution:	pH 7
Oxidizing Properties:	Non-oxidizing
Corrosiveness:	Non-corrosive
Water Content:	97%
Solubility in Water:	100%
Foaming:	Not applicable
Particle size:	Not applicable
Volatility:	Non-volatile
Viscosity:	Not applicable

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Avoid very low pH (<3) and very high pH (>9)
Materials to Avoid:	Bactericides, antibiotics, sterilants and *non-compatible agrochemicals.
Hazardous Decomposition Products:	None known

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	None known,
Eye Irritation:	Non-toxic natural bacteria
Skin Irritation:	
Acute Pulmonary:	Not determined
Acute Intra-peritoneal:	Not determined
Intravenous:	Not determined
Chronic Effects:	None of the components is known as carcinogenic; does not contain dangerous goods. Not classified by NTP, IARC or OSHA. Non infective and not pathogenic.



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12. ECOLOGICAL INFORMATION

Environmental Behaviour:	Bacillus sp. are non-toxic natural bacteria.
Mobility and Bio-accumulation potential:	Not determined
Ecotoxic Effects:	Not determined
General Information:	No acute or chronic effects are known.

13. DISPOSAL CONSIDERATIONS

Precautions:	None of the ingredients raise concern for the environment.
Disposal of Product:	Unwanted product may be safely disposed of in a land-fill or discarded as non-hazardous waste in accordance with local regulations.

14. TRANSPORT INFORMATION

Road/rail:	Not classified as dangerous in the meaning of transport regulations.
IMDG:	Not classified as dangerous in the meaning of transport regulations.
ICAO:	Not classified as dangerous in the meaning of transport regulations.
ADR:	Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Supply Classification:	None
Hazard Symbols:	None
Risk Phrases:	None
Safety Recommendations:	<p>Handle with care, do not inhale spray mix.</p> <p>Store away from food and foodstuff.</p> <p>Keep out of the reach of unauthorized persons and children.</p> <p>Use protective clothing, gloves and boots when mixing and during application.</p> <p>If skin or eye contact occurs rinse with large amounts of water.</p> <p>Destroy empty containers and do not re-use for any other purpose.</p>

16. OTHER INFORMATION

Recommended Use:	<p>Product must be used as indicated: Free-living, composting soil inoculum for improved soil fertility and microbial balance.</p> <p>Refer to product label</p>
Further Information:	Product classified and safety datasheet produced according to GHS directives.



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The information contained in this SDS was compiled using the latest and most reliable information available to BioSolutions. The data is based on the current expertise and presents the health, safety and environmental aspects of this product. They form no guarantee of product properties. Recommendations presented in this SDS apply only to the product as originally supplied. If other ingredients are used in the processing of this product, the recommendations for the use and handling of that product must be verified.

This document contains important information in order to ensure the safe storage, handling and use of this product. The information in this document must be brought to the attention of the safety/health/environmental advisor within your organisation. The information in this document must be made known to everyone whose work involves this product.