



## SAFETY DATA SHEET

### 1. IDENTIFICATION

<b>Product Name:</b>	BioTeam™
<b>Intended Use/Restrictions of use:</b>	Rhizosphere inoculant with a unique combination of functional groups involved in nitrogen fixation, phosphate and potassium solubilization, growth stimulation and nutrient utilization
<b>Details of Supplier of SDS:</b>	<p>Wilchem (Pty) Ltd</p> <p>39 Jonal Drive</p> <p>Cavan, SA 5094</p> <p>E-mail: adminsa@wilchem.com.au</p> <p>Emergency telephone: (08) 8359 6855</p>

### 2. HAZARDS IDENTIFICATION

<b>Classification of the Substance</b>	CLP / GHS / Hazcom 2012 Classification: Not classified as hazardous
<b>Skin Contact:</b>	May cause skin irritation
<b>Eye Contact:</b>	May cause eye irritation
<b>Inhalation:</b>	Not an inhalation hazard under normal conditions of use.
<b>Ingestion:</b>	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
Seaweed Extract	Not assigned	Not assigned	Not classified as hazardous
Trichoderma metabolites	Not assigned	Not assigned	Not classified as hazardous
<i>Bacillus subtilis</i>	Not assigned	Not assigned	Not classified as hazardous
<i>Bacillus mucilaginosus</i>	Not assigned	Not assigned	Not classified as hazardous
<i>Bacillus megaterium</i>	Not assigned	Not assigned	Not classified as hazardous
<i>Azospirillum brasiliense</i>	Not assigned	Not assigned	Not classified as hazardous

A combination of microorganisms, seaweed extract and Trichoderma metabolites in a phosphate buffered solution

### 4. FIRST AID MEASURES

<b>Skin Contact:</b>	Wash exposed skin with soap and water.
<b>Eye Contact:</b>	Flush thoroughly with water for 15 minutes. If any irritation persists, seek medical attention.
<b>Inhalation:</b>	If breathed in, move person into fresh air. Get medical attention if any signs of sensitization (e.g. difficult breathing, chest pain, headache, and



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Ingestion:	flu like symptoms) occur Drink water, do not induce vomiting. Seek medical attention.
Advice to Physician:	Symptomatic treatment

### 5. FIRE-FIGHTING MEASURES

Type of Material:	Non-combustible liquid.
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.
Special Protective Equipment:	Normal firefighting bunker gear.

### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with eyes. Use protective clothing, gloves, safety goggles and boots. Do not swallow.
Environmental Precautions:	Avoid run-off of undiluted material into water courses. 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. Prevent skin or eye contact 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.





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### 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	
Eye Irritation:	Minimal irritation (rat)
Skin Irritation:	Non-irritant (rabbit)
Acute Pulmonary:	Non-infective to mammals. > 5.8 x 10 <sup>7</sup> CFU/animal (rat)
Acute Intra-peritoneal:	Non-infective to mammals. > 4.9x 10 <sup>7</sup> CFU/animal (rat)
Intravenous:	Non-infective to mammals. > 1.0 x 10 <sup>7</sup> CFU/animal (rat)
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 in rat.

### 12. ECOLOGICAL INFORMATION

Environmental Behaviour:	All microorganisms occur naturally in soil. Ascophyllum Kelp is a non-hazardous soluble nutrient
Mobility and Bio-accumulation potential:	Not determined. Biological product used as Rhizosphere inoculant with a unique combination of functional groups involved in nitrogen fixation, phosphate solubilization, growth stimulation and nutrient utilization.
Ecotoxic Effects:	There are no published reports of disease associated with Trichoderma in birds, wild mammals, fish, insects, Earthworms and plants.
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



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Supply Classification:	None
Hazard Symbols:	None
Risk Phrases:	None
Safety Recommendations:	<p>Keep out of reach of children, uninformed persons and animals.</p> <p>Wear protective gloves.</p> <p>Wear protective goggles</p> <p>Do not swallow.</p> <p>To avoid risks to human health and the environment, comply with the instructions for use.</p>

### 16. OTHER INFORMATION

Recommended Use:	<p>Product must be used as indicated: Rhizosphere inoculant with a unique combination of functional groups involved in nitrogen fixation, phosphate solubilization, growth stimulation and nutrient utilization.</p> <p>Refer to product label</p>
Further Information:	Product classified and safety datasheet produced according to GHS directives.

*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.*