



## Material Safety Data Sheet

### SECTION 1: IDENTIFICATION OF THE CHEMICAL PRODUCT

**Product Name** : Rhizo-Max

**Product Type** : An aqueous microbial product containing cultures of *B Subtilus*

**Product Use** : For application to the soil and plants to assist in adding beneficial microbes maximising nutrient availability

### SECTION 2: HAZARD IDENTIFICATION

#### Statement of Hazardous Nature:

**This product is classified as NON-HAZARDOUS** according to the criteria of NOHSC Australia.  
Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

**SUSDP Classification:** None allocated.

**ADG Classification:** None allocated.

**UN Number:** None allocated

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS	Percent w/v
<i>B. Subtilus</i> , cultures	68038-70-0	<1 %
Non hazardous components	-	<1 %
Water		to 100%

Exposure limits have not been established by ASCC for these ingredients, that is, no TWA or STEL limits set.

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Poisons Information Centre: 13 11 26 from anywhere in Australia

#### SECTION 4: FIRST AID MEASURES

- Inhalation:** Remove to fresh air upwind from source. Contact a Poisons Information Centre or a doctor if condition deteriorates.
- Skin Contact:** Wash skin with clean running water. If irritation persists, repeat flushing and obtain medical advice.
- Eye Contact:** Wipe away excess product away from eyes. Immediately flush the contaminated eye(s) with flowing fresh water until the product is removed, while holding the eyelid(s) open.
- Ingestion** Rinse mouth several times with clean fresh water. If in doubt, contact a Poisons Information Centre or a doctor. DO NOT induce vomiting. Give plenty of fresh water to drink after rinsing of mouth. **Advice to Doctor** - Treatment is symptomatic.

#### SECTION 5: FIRE FIGHTING MEASURES

- Fire and Explosion Hazards:** Non-combustible. Decomposes on heating emitting toxic fumes. Firefighters wear self contained breathing apparatus and suitable protective clothing if risk of exposure to decomposed product.
- Extinguishing Media:** Not Combustible. However, use medias to suit surrounding material and packaging material, that is, for example plastic containers.
- Fire Fighting:** When fighting fires involving significant quantities of this product, wear a splash suit complete with self contained breathing apparatus.
- |  |  |
|--|--|
| <b>Upper Flammability Limit:</b> Does not burn | <b>Lower Flammability Limit:</b> Does not burn |
| <b>Autoignition Temperature:</b> Does not burn | <b>Flammability Class:</b> Does not burn       |

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

In the event of an accidental spill, control spill at source. Slippery when spilt. Wear full protective clothing including face mask and face shield. All skin areas should be covered. Cover with absorbent material, eg sand or soil. Avoid using sawdust or other combustible material. Sweep up, wet vacuum if available, collect and seal product into labelled containers for salvage, and dispose of promptly at approved site.

#### SECTION 7: HANDLING AND STORAGE

Handle with care and keep exposure to this product to as minimal as practical. Ensure adequate ventilation while handling product. Store in closed original container in a well ventilated shaded area. Keep container tightly closed when not in use. Keep container out of reach of children. **DO NOT** store in direct sunlight or above 25 degrees Celsius (room temperature).

#### SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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Exposure limits have not been established by ASCC for these ingredients, that is, no TWA or STEL limits set. No biological limits applicable. Ensure adequate ventilation in a shaded dry storage area.

#### **Personal Protective Equipment:**

#### **Australian Standards regarding safety clothing and equipment:**

Respiratory equipment: **AS/NZS 1715/16** Protective Gloves: **AS 2161** Industrial Clothing: **AS2919**  
Industrial Eye Protection: **AS1336** and **AS/NZS 1337** Occupational Protective Footwear: **AS/NZS2210**

### **SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

- Eyes:** Protective glasses or goggles should be worn when this product is being handled. Emergency eye wash facilities should be available where this product is being handled in large quantities.
- Skin:** Prevent skin contact by wearing impervious gloves, clothes and, preferably, overalls. Ensure all skin areas are covered when handling large quantities.
- Inhalation:** No real issues here as aqueous formulation.

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

- Physical Description and Colour:** Liquid, brown liquid
- Odour:** earthy odour
- Density:** 50mg/100ml.
- Water Solubility:** Soluble in water.
- pH:** Approx 6.8 – 7.6
- Volatility:** No data.
- Autoignition temp:** Does not combust.

### **SECTION 10: STABILITY AND REACTIVITY**

- Chemical Stability:** Stable under normal temperatures.
- Reactivity:** This product is unlikely to react or decompose under normal storage conditions.
- Conditions to Avoid:** Direct sunlight, lack of ventilation.
- Hazardous Polymerization:** Hazardous polymerisation is not possible.

### **SECTION 11: TOXICOLOGICAL INFORMATION**

No adverse health effects would be expected if handled according to the label and this MSDS. Symptoms or effects that may arise if mishandled or with unprotected overexposure maybe;

- Skin contact :** May result in mild irritation with sensitive skin.
- Eye contact:** May cause irritation through dust discomfort and associated physical irritation.

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**Ingestion:** No adverse effects expected although large amounts may cause nausea and /or vomiting.  
**Inhalation:** No real issues here as aqueous formulation.

Neither a LD50 nor LC50 is available for this product.

## SECTION 12: ECOLOGICAL INFORMATION

Product is natural microbe culture in a 99% water based aqueous formulation and should be treated as such.

## SECTION 13: DISPOSAL CONSIDERATIONS

Instructions for the disposal of this product and its containers are listed on the product label.

For collection of unwanted rural products, contact ChemClear®, tel 1800 008 182 [www.chemclear.com.au](http://www.chemclear.com.au) For help with the disposal of empty drums, contact DrumMuster® [www.drummuster.com.au](http://www.drummuster.com.au) for local and State contacts.

## SECTION 14: TRANSPORT INFORMATION

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**UN Number:** None allocated  
**Proper Shipping Name:** None allocated  
**ADG Class:** None allocated. Not a Dangerous Good  
**Hazchem Code:** None allocated  
**Packaging Group:** None allocated

## SECTION 15: REGULATORY INFORMATION

**Not classified as hazardous according to criteria of NOHSC.**

**SUSDP:** None allocated  
**APVMA Registered:** Not required. No pesticide claim.

## SECTION 16: OTHER INFORMATION

**This MSDS contains only safety-related information sourced from the public domain and analytical results on this product.**

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**Acronyms:**

**ADG Code:** Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition

**AICS:** Australian Inventory of Chemical Substances

**CAS number:** Chemical Abstracts Service Registry Number

**Hazchem Number:** Emergency action code of numbers and letters that provide information for firefighters

**IARC:** International Agency for Research on Cancer

**ASCC:** Office of the Australian Safety and Compensation Council

**NTP:** National Toxicology Program (USA)

**R-Phrase:** Risk Phrase

**SUSDP:** Standard for the Uniform Scheduling of Drugs & Poisons

**UN Number:** United Nations Number

**Police and Fire Brigade: Dial 000 **Poisons Information Centre (13 11 26)****

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