

# SAFETY DATA SHEET

## BACSTAR® Bio-fungicide

Date of Issue: 13 October 2021

### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): *Bacillus Subtilis* (WG from technical powder)  
Recommended use: Bio fungicide

Supplier: UPL New Zealand Limited  
PO Box 51584, Pakuranga  
Auckland  
Phone 0800 100 325  
www.upl-ltd.com/nz

Emergency telephone number: 0800 CHEM CALL (0800 243 622) 24 Hours

### 2. HAZARDS IDENTIFICATION



Hazard Classification: 6.5B, 9.1D  
Required identification Details: Signal Word: **WARNING**  
Keep out of reach of Children.  
Read label before use.

May cause an allergic skin reaction.  
Harmful to terrestrial vertebrates.  
Designed for biocidal action.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
<i>Bacillus Subtilis</i>	NA	

### 4. FIRST-AID MEASURES

Description of necessary first aid measures:

General information:

#### First-aid measures

Inhalation: Remove individual to fresh air

Ingestion: If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre 0800 Poison (0800 764 766) or a doctor immediately.

**Skin contact:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. DO NOT SCRUB THE SKIN.  
**Eye contact:** If concentrate is splashed in the eyes, flush with running water for at least 15 minutes. Take to hospital without delay.  
**Notes to a physician:**

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## 5. FIRE-FIGHTING MEASURES

**HAZCHEM Code:**  
**Type of Hazard:**  
**Extinguishing media:** All methods.  
**Hazardous thermal (de)composition products:** None  
**Protection of fire-fighters:** Dust Mask, Gloves, Goggles

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use of dust mask is recommended. Use gloves. Avoid contact with broken skin. Use goggles. Avoid contact with eyes. Wash thoroughly after exposure. Remove contaminated clothing and wash before use.  
**Environmental precautions:** Use under ventilated conditions.  
**Methods for cleaning up:** Recover free product. Use absorbent material to minimise runoff of mixed product. Do not attempt to clean or reuse containers. Dispose of empty container on a sanitary landfill, or burn if permitted and circumstances, especially wind direction allow, in accordance with Local Authority.  
Unused material should be disposed of in an approved waste facility

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## 7. HANDLING AND STORAGE

**Handling:** Use of dust mask is recommended. Use gloves. Avoid contact with broken skin. Use goggles. Avoid contact with eyes.  
**Storage:** Tightly re-close containers of unused material. Store in a cool, dry place.  
**Packaging materials:**

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace Exposure Guidelines

**Exposure Standards:** Use under ventilated conditions.

### Engineering measures

**Exposure control measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

### Personal Protective Equipment

**Detail specifications for equipment:**

**Respiratory system:** Use of dust mask is recommended.  
**Skin and body:**  
**Hands:** Use gloves.  
**Eyes:** Use goggles.  
**General hygiene:** Wash thoroughly after exposure. Remove contaminated clothing and wash before use.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State: Colour, Odour.</b>	Water dispersible granule. Tan colour. Yeast-like odour.
<b>pH:</b>	
<b>Vapour Pressure:</b>	NA
<b>Boiling Point:</b>	NA
<b>Flash Point:</b>	
<b>Freezing/melting point:</b>	
<b>Solubility:</b>	Negligible.
<b>Specific Gravity/Density:</b>	NA
<b>Autoignition:</b>	
<b>Information for flammable material:</b>	NA
<b>Viscosity:</b>	
<b>Octanol/water partition coefficient:</b>	
<b>Explosive Properties:</b>	
<b>Oxidation Properties:</b>	

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## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable.
<b>Conditions to avoid:</b>	Unknown.
<b>Materials to avoid:</b>	
<b>Hazardous Decomposition Products:</b>	
<b>Hazardous polymerization:</b>	Chloride compounds and nitrogen oxides.

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## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity – Oral:**  
**Acute toxicity - Dermal:**  
**Acute toxicity – Inhalation:**  
**Skin irritation:**  
**Eye irritation:**  
**Sensitization:**

### Chronic toxicity

**Carcinogenicity:**

**Mutagenicity:**  
**Reproduction toxicity:**

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## 12. ECOLOGICAL INFORMATION

**Aquatic**  
**Bees:**  
**Birds:**  
**Bioaccumulation:**  
**Degradability:**  
**Mobility:**

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## 13. DISPOSAL CONSIDERATIONS

<b>Methods of disposal:</b>	Ideally, the product should be used for its intended purpose. Recover free product. Use absorbent material to minimize runoff of mixed product.
<b>Empty container precautions:</b>	Avoid contamination of any water supply with product or empty container

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## 14. TRANSPORT INFORMATION - International transport regulations

UN number:

Hazchem

Class or Division:

Subsidiary Class:

Packing Group:

Marine Pollutant:

Proper shipping name:

INTERNATIONAL AIR  
TRANSPORT ASSOCIATION  
(IATA):

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## 15. REGULATORY INFORMATION

ACVM Registered Number:

P008310

HSNO Approval Code:

HSR100430

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## 16. OTHER INFORMATION

Additional information:

**Original Issue Date:** June 2012

**Revision Date:** 13 October 2021

**Replaces:** ES498

**Disclaimer EXCLUSION OF LIABILITY: PLEASE READ**

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