

## SAFETY DATA SHEET

Soil Mate Armour Complete

Last updated: 29/11/2024

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Soil Mate Armour Complete - Biological Soil Disease, Pest and Insect Resistance

**Product Type:** Fertiliser

**Recommended Use:** Liquid Fertiliser Booster, Organic Biological Plant Defense

**Advised Against:** It is not intended for human consumption.

**Manufacturer/Supplier:**

Greenmate AG Pty Ltd  
Greenmate Agriculture  
740 Cranbourne-Frankston Road  
Cranbourne South VIC 3977  
1300 375 078  
info@greenmate.com.au  
www.greenmate.com.au/

**Emergency Phone (For emergencies only; DO NOT contact for general advice):**

Chemcall: 1800-127406  
Poisons Information Centre: 13 11 26  
EPA for large scale spills: 1300 372 842

### 2. HAZARDS IDENTIFICATION

**Statement of Hazardous Nature**

Product does not have to be labelled due to the calculation procedure of the 'General Classification guideline for preparations of the EU' in the latest valid version.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.  
Classified as non-Hazardous according to the criteria of GHS.

**Risk Phrases:** Not Hazardous - No criteria found.

**Safety Phrases:** S25. Avoid contact with eyes.

**SUSDP Classification:** None allocated.

**ADG Classification:** None allocated. Not a Dangerous Good under the ADG Code.

**UN Number:** None allocated

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredients                                                | CAS Number     |
|------------------------------------------------------------|----------------|
| Water and other non-hazardous components                   | Not applicable |
| Culture medium                                             | Propriety      |
| Trichoderma Harzianum                                      | 67892-31-3     |
| Bacillus subtilis                                          | 68038-70-0     |
| Bacillus amyloliquefaciens                                 | 68038-60-8     |
| Bacillus pumilus                                           | 1383428-50-9   |
| Bacillus thuringiensis (Sub species kurstaki solid spores) | 6803871        |
| Beauveria bassiana                                         | Propriety      |
| Inert ingredients and Other inert ingredients              | Not applicable |

### 4. FIRST AID MEASURES

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| <p><b>Description of necessary measures according to routes of exposure</b></p> <p><b>Swallowed:</b> Ingestion Call a doctor immediately if a large amount is swallowed. Rinse mouth with water. Give water to drink. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.. Do NOT induce vomiting. Seek medical attention immediately.</p> <p><b>Eye:</b> Immediately flush eyes with plenty of water for 15 minutes, holding eyelids open. If present, remove contact lenses and continue rinsing eye. In all cases of eye contamination, it is a sensible precaution to seek medical advice.</p> <p><b>Skin:</b> If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair with soap and water. If irritation occurs, seek medical advice.</p> <p><b>Inhaled:</b> Remove victim from exposure to fresh air. If not breathing, call ambulance then apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.</p> <p><b>Advice to Doctor:</b> Remove from source of exposure. If irritation or other signs of toxicity occur, seek medical attention. Treat symptomatically based on judgment of doctor and individual reactions of patient.</p> |
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### 5. FIRE FIGHTING MEASURES

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| <p><b>Suitable Extinguishing Media:</b> Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).</p> <p><b>Hazard from Combustion Products:</b> No data.</p> <p><b>Specific Hazards Precautions:</b> Self-Contained Breathing Apparatus (SCBA) and full protective gear according to the conditions and size of the fire. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.</p> <p><b>Combustibility:</b> Non-combustible material. Decomposes on heating emitting toxic fumes.</p> <p><b>General Measures:</b> If safe to do so remove containers from the path of fires.</p> |
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### 6. ACCIDENTAL RELEASE MEASURES

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| <p><b>Methods and materials for containment and clean up:</b><br/>Slippery when spilt. Avoid accidents, clean up immediately. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers.</p> <p><b>Emergency Procedures:</b> Wear suitable protective clothing, such as long-sleeved shirt, pants, waterproof gloves and shoes with socks.</p> |
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## 7. HANDLING AND STORAGE

**Handling:** Keep out of reach of children. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Use handling procedures that minimize exposure to the product.

**Storage:** Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight in an airtight container after opening. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Do not mix with other products while stored.

**Container:** Store in original packaging as approved by manufacturer

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**National Exposure Standards:** Ensure good ventilation. No exposure limits have been established.

**Biological Limit Values:** No biological limit allocated.

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to reduce airborne exposure at locations/operations where dust may be generated.

**Respiratory Protection:** Not normally required. However, if needed, use a dust/mist filtering face mask.

**Eye Protection:** Chemical safety goggles or safety glasses with side shields.

**Hand Protection:** Gloves made from chemically resistant material such as neoprene, vinyl, rubber or nitrile. Always wash hands before smoking, eating, drinking or using the toilet.

**Body Protection:** Wear suitable protective clothing such as long-sleeved shirt, pants and shoes with socks.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                           |                                                           |
|-----------------------------------------------------------|-----------------------------------------------------------|
| <b>Physical state:</b> Liquid                             | <b>Colour:</b> Light brown, grey, green colour            |
| <b>Odour:</b> Fishy                                       | <b>Solubility:</b> Soluble in water                       |
| <b>Specific Gravity:</b> Not available                    | <b>Relative Vapour:</b> Not available                     |
| <b>Density (air= 1):</b> Not available                    | <b>Vapour Pressure (20 °C):</b> Not available             |
| <b>Flash Point (°C):</b> Not applicable                   | <b>Boiling Point/Range (°C):</b> Not available            |
| <b>Decomposition Point (°C):</b> Not available            | <b>pH:</b> Not available                                  |
| <b>Evaporation Rate:</b> Not available                    | <b>Vapour Density (Air= 1):</b> Not available             |
| <b>Flash Point:</b> Not available                         | <b>Ignition Temperature:</b> No information available     |
| <b>Flammable Limits (Lower):</b> No information available | <b>Flammable Limits (Upper):</b> No information available |
| <b>Flammability:</b> No information available             |                                                           |

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal ambient storage conditions.

**Conditions to Avoid:** Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition, and open flame.

**Incompatible Materials:** None that are known.

**Hazardous Decomposition Products:** Oxides of carbon. Oxides of nitrogen. Oxides of phosphorus

**Hazardous Polymerization:** None that are known.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Ingestion:** Swallowing may result in nausea, vomiting, and abdominal pain.

**Eye contact:** May be an eye irritant. Minimally irritating ( rabbit), Category 2B

**Skin contact:** Repeated or prolonged skin contact may lead to irritation. Slightly irritating (rabbit) Category 3

**Inhalation:** Not expected to cause respiratory irritation. >2.11 mg/L (Rat). Category 4

**Long Term Effects:** No information available for the product.

**Toxicological Data:** No LD50 data available for the product.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Avoid contaminating waterways.

**Persistence/Degradability:** No known conditions.

**Mobility:** No known conditions.

**Bioaccumulative Potential:** No known conditions.

**Environmental Protection:** No known conditions.

## 13. DISPOSAL CONSIDERATION

**Disposal methods:** Refer to local government authority for disposal recommendations. Rinse empty container, puncture and recycle or dispose of safely with domestic rubbish.

## 14. TRANSPORT INFORMATION

**Road and Rail Transport:** Not classified as a Dangerous Good under NZS 5433:2012 Transport of Dangerous Goods on Land.

**Marine Transport:** Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

**Air Transport:** Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

## 15. REGULATORY INFORMATION

**Classification:** Based on available information, not classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

**Poisons Schedule Number:** Not scheduled.

**Packaging and Labelling:** As required by the ADG Code and Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

An ingredients contained in this product is listed on the America Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

### Acronyms:

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

**AICS:** Australian Inventory of Chemical Substances

**SWA:** Safe Work Australia, formerly ASCC and NOHSC

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

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

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

### **R-Phrase: Risk Phrase**

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

**UN Number:** United Nations Number

**GHS:** Globally Harmonised System of Classification and Labelling of Chemicals

This msds summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this msds in the context of how the product will be handled and used in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be made. The user should contact this company so we can attempt to obtain additional information from our suppliers. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request