

## SAFETY DATA SHEET

**PRODUCT NAME: SOIL IMPROVER PLUS**

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Other Name(s):** None  
**Recommended use:** Potting Media / Soil Conditioner / Soil Amendment  
**Supplier:** Baileys Fertilisers  
**Address:** 24 Beach St  
 Kwinana Beach  
 Western Australia 6167  
**Telephone:** (08) 9439 1688 (Monday to Friday: 8.00am – 5.00pm)  
**Emergency Contact:** Poisons Information Centre on 13 11 26  
**Facsimile:** (08) 9439 1068  
**Email:** baileys@baileysfertiliser.com.au  
**Website:** baileysfertiliser.com.au

### 2. HAZARD IDENTIFICATION

**1. GHS Classification:** HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS

**2. Signal Word:** WARNING.

**3. Hazard Categories:** Skin Irritation, Category 2  
 Skin Sensitization, Category 1  
 Acute Toxicity – Inhalation, Category 5



**4. Hazard Symbol:**

**5. Hazard Statements:** H315: Causes skin irritation  
 H317: May cause an allergic skin reaction  
 H333: May be harmful if inhaled.

**6. Precautionary Statements:** P261: Avoid breathing dust.  
 P264: Wash hands thoroughly after handling.  
 P280: Wear protective gloves, eye protection, and a dust mask.  
 P302+P352: If on skin: Wash with plenty of soap and water.  
 P304+P340: If inhaled: Remove to fresh air and keep at rest.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Contents % w/w
Composted Organic Material	N/A	>99%

### 4. FIRST AID MEASURES

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek medical attention.

## SAFETY DATA SHEET

**Skin Contact:** Wash with soap and water. Seek medical attention in event of irritation.  
**Inhalation:** Remove from exposure and if irritation persists, seek medical attention.  
**Ingestion:** Rinse and wash mouth with water. Seek medical attention if abdominal symptoms occur. Poison Information Centres (13 11 26) can provide additional assistance.  
**First Aid Treatment and note to physician:** Treat symptomatically. Skin abrasions and sores may be aggravated by exposure. Inhalation of dust may aggravate asthma.

### 5. FIRE FIGHTING MEASURES

**Flammability:** Flammable.  
**Extinguishing Media:** Water (A) or Dry Chemical Powder (ABE) Class extinguishers. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire.  
**Fire/Explosion Hazard:** May contribute to an existing fire.  
**Hazards from Combustion Products:** Smouldering risk in large stockpiles.  
**Hazchem Code:** Not applicable.

### 6. ACCIDENTAL RELEASE MEASURES

**Spills and Disposal:** Carefully sweep up and shovel into suitable containers for reuse/recycle or disposal at an approved waste disposal site. Wear suitable protective clothing and personal protection. Prevent run-off into drains and waterways.

### 7. HANDLING AND STORAGE

**Handling:** Use as instructed, ensuring safe work practices are followed that avoid eye or skin contact, or inhalation.  
**Health Warning:** This product contains micro-organisms. Avoid breathing dusts or mists – wear particulate mask if dusty. Wear gloves and keep product moist when handling. Wash hands immediately after use.  
Check prevailing weather conditions before handling this material and avoid loading, tipping or spreading in high wind or heavy rain conditions. Assess moisture content and add water as required to reduce dust.  
Use always recommended Personal Protection Equipment (PPE) when handling this material. Refer SECTION 8 of this document for information on Exposure Controls/Personal Protection Equipment.  
Products have a low risk of containing sharp materials. Wear suitable gloves and handle with care.  
When transporting this material, the load must be covered to minimize dust and loss of material onto roadways.  
Wash any areas of the body that come in contact with the material using soap and water. Launder protective clothing before reuse.

**Storage:** Store in a cool, dry well-ventilated area. in a manner that minimises dust and avoids run off into stormwater, waterways or across property boundaries.  
If stockpiled outdoors, cover with tarpaulin or similar to prevent leaching of nutrients in wet weather. Bund stockpile area if high risk of the material being washed into waterways or across property boundaries.  
Protect stockpiles from high wind to minimize risk of drying and dust generation using water sprayed on stockpile or a tarpaulin or wind break secured to the ground.  
If stockpiling material for an extended period, maintain adequate moisture levels above 40% to minimise combustion risk. Check Stockpiles regularly for evidence of self-heating above 75+ degrees Celsius.

## SAFETY DATA SHEET

Refer to SECTION 5 of this document for Fire Fighting information.

**Other information:** None.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standard:** Time Weighted Average (TWA): 10 mg/m<sup>3</sup> (Total Inhalable Dust)

2mg/m<sup>3</sup> (Total Respirable Dust)

Short Term Exposure Limits (STEL): Not set.

**Biological Limit Values:** This material is pasteurised to destroy pathogens in accordance with AS4454-2012.

**Engineering Controls:** Keep material moist when handling to reduce dust. Use in open or well-ventilated areas to minimise exposure to dust and/or liquid mist.

**Personal Protective Equipment:** Wear gloves. In dusty conditions, use a respirator of class P1/P2. Wear suitable eye protection such as safety goggles.



**Hygiene:** Wash hands with soap and water before consuming food or smoking. Shower and wash body after removal of clothing. Launder clothing before reuse.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Dark brown to black organic soil mix  
**Bulk Density:** 0.5 – 0.6 kg/L  
**Odour:** Typical organic odour.  
**pH:** 5.0 – 8.0  
**Boiling Point:** Not applicable.  
**Melting Point:** Not available.  
**Vapour pressure:** Negligible at ambient temperatures.  
**Flash point:** Not available.  
**Flammability:** Flammable.  
**Solubility in water:** Not soluble.  
**Other:** None.

### 10. STABILITY AND REACTIVITY

**Chemical Stability:** Material is stable under normal storage and handling conditions.  
**Conditions to avoid:** Extreme heat. When material moisture content is <40% material becomes dusty creating issues for handling, application and storage. Materials should be applied soon after receiving as fire risk can arise where stored or stockpiled material is too dry.  
**Incompatible materials:** Oxidizing agents, and alkaline products.  
**Decomposition products:** May evolve gases such as nitrogen oxides, sulphur oxides and ammonia.  
**Hazardous reactions:** Hazardous polymerization reactions will not occur.

### 11. TOXICOLOGICAL INFORMATION

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

Prepared: 06 December 2024

Page 3 of 5

Revision: 4

## SAFETY DATA SHEET

<b>Ingestion:</b>	Swallowing may result in irritation of the gastrointestinal tract.
<b>Eye contact:</b>	Exposure to dust may cause discomfort due to the particulate nature. May cause physical irritation to the eyes.
<b>Skin contact:</b>	Repeated or prolonged skin contact may lead to irritation.
<b>Inhalation:</b>	Breathing in dust may result in respiratory irritation.
<b>Sensitization hazard:</b>	Not classified as a skin sensitizer.
<b>Long Term Effects:</b>	Repeated inhalation of dust and/or liquid mists (bio aerosols) may result in respiratory irritation, inflammation or sensitization resulting in illnesses ranging from hay fever and asthma to pneumonia (e.g. legionnaire's disease) and pneumonia-like illnesses. The elderly, those with pre-existing respiratory diseases, and the immunocompromised are at particular risk from these illnesses. All people working regularly with these and other landscaping products should ensure that they are adequately protected against tetanus.
<b>Carcinogenicity:</b>	Inhalation is the primary route of entry into the body. Repeated, uncontrolled exposures to wood dust over many years increases the risk of nasal cavity cancer. In 1995, the International Agency for Research on Cancer (IARC) classified wood dust as a Category 1 Carcinogen, i.e.: there is sufficient evidence from epidemiological studies to support a causal association between exposure and cancer.
<b>Mutagenic Data:</b>	Not classified as a mutagen.

### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Avoid contaminating waterways, as nutrients in water sources may cause excessive algal growth.
<b>Persistence and degradability:</b>	This product is a potting media and will degrade to soil. Added nutrients will act as fertiliser in soil.
<b>Mobility:</b>	Fertiliser nutrients are soluble and will leach in soil, and dissolve/disperse in water.

### 13. DISPOSAL CONSIDERATIONS

<b>Disposal:</b>	Dispose of product and packaging in accordance with local regulations, to an approved landfill site. Do not incinerate.
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### 14. TRANSPORT INFORMATION

**Special Precautions for User:** Material must be covered with a tarpaulin for transport

<b>UN Number:</b>	N/A	<b>UN Proper Shipping Name:</b>	N/A	<b>Class and Subsidiary Risk(s):</b>	N/A
<b>Packing Group:</b>	N/A	<b>Special precautions for user:</b>	None	<b>Hazchem code:</b>	N/A

### 15. REGULATORY INFORMATION

<b>AICS</b>	All chemicals listed on the Australian Inventory of Chemical Substances (AICS).
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### 16. OTHER INFORMATION

<b>Disclaimer</b>	<p>This document has been prepared by Baileys Fertilisers and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue.</p> <p>While Baileys Fertilisers has taken all due care to include accurate and up to date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Baileys Fertilisers accepts no liability for any loss, injury or damage (including</p>
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## **SAFETY DATA SHEET**

consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

As the use of the products described in this document is outside the control of Baileys Fertilisers, we make no representation or warranty concerning the suitability or fitness of this product for any purpose. It is your sole responsibility to ensure that the product will have the qualities and attributes that will make them fit for any ordinary or special purpose required of them, even if that purpose is made known to us at any time. This includes responsibility on your part to conduct in a timely manner all appropriate tests and quality checks on the product and any goods made from them. We disclaim any liability if any products are not suitable or fit for any such purpose.

**Revision** 4  
**Date** 06/12/2024  
**End of SDS**