

Safety Data Sheet – AU-2359 Microbial Inoculant

Section 1 - Identification of Material	
<b>Product Name:</b>	AU-2359
<b>Prepared Date:</b>	10/Mar/2023
<b>Company address:</b>	Loam Bio Loam Bio, Australia, Building 1120, 346 Leeds Parade, Orange, NSW 2800
<b>Manufacturer</b>	Loam Bio LLC
<b>Phone Number:</b>	000 <b>(AU Emergency)</b> 131126 <b>(AU Poison Centre)</b>
<b>Product Use:</b>	Plant fertiliser / Seed treatment
Section 2 – Hazard(s) Identification	
<b>GHS classification of the substance:</b>	Not a dangerous substance or mixture according to the criteria of GHS
<b>Hazard statements:</b>	No hazard statements assigned
<b>Precautionary statements:</b>	<ul style="list-style-type: none"> <li>• Wear protective gloves, goggles and FFP2 dust mask.</li> <li>• Keep out of reach of children.</li> <li>• Avoid breathing dust.</li> <li>• Avoid breathing in any dust and prevent contact with eyes, skin, or clothing.</li> <li>• Wash hands thoroughly after handling.</li> <li>• Do not eat, drink or smoke when using this product</li> <li>• Seek medical advice if you feel unwell.</li> <li>• Store in a well-ventilated place.</li> <li>• Keep the container tightly closed.</li> <li>• Collect/deactivate spillage with household bleach.</li> </ul>
Section 3 – Composition and Information of Ingredients	
<b>Ingredients:</b>	Contains culture of non-pathogenic fungi (non-genetically modified, non-hazardous)
<b>Product Identifier</b>	8002-48-0
<b>Proportion (by weight)</b>	2E+08 CFU/g
Section 4 – First-Aid Measures and Medical	
<b>If on skin:</b>	Wash with soap and water. No further action required.
<b>If in eyes:</b>	Flush with clean water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Seek medical advice if irritation persists.
<b>Inhalation:</b>	If difficulty in breathing occurs, move the affected person to fresh air. Loosen clothing to ease breathing. Seek immediate medical attention.
<b>Ingestion:</b>	Maybe harmful if swallowed. If accidental ingestion occurs, wash your mouth with plenty of water, give water to drink to dilute and then induce vomiting. Seek medical attention and contact a Poisons Information Centre immediately.

Section 5 – Fire-Fighting Measures	
<b>Flash Point:</b>	No information available
<b>Hazardous Decomposition Products:</b>	None (see comment above)
<b>Explosion Limit:</b>	No information available
<b>Fire Extinguishing Media:</b>	Use water spray. Dry powder. Foam. Carbon dioxide.
<b>Non-suitable Media</b>	None known.
<b>Fire &amp; Explosion Hazards:</b>	Minimise creation of dust clouds. When bulk handling, dust may be subject to organic dust fire and explosion at high dust density in air, near sources of ignition. (Guidance can be obtained in FPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids)
Section 6 – Accidental Release Measures	
<b>In case of spill:</b>	<p>Allow aerosols (if any) to settle. Wearing protective clothing. Gently cover the spill with an absorbent paper towel, or spill kit and apply a generous quantity of suitable disinfectant (Vira clean or Household Bleach), starting at the perimeter and working towards the centre. Allow at least 30 mins contact time before cleaning up.</p> <p>Use clean-up methods that avoid dust generation (vacuum wet). Use approved industrial vacuum cleaner for removal. Collect all waste in suitable and labelled containers and dispose according to local legislation.</p>
<b>Waste disposal method:</b>	No special disposal measures necessary. Follow local regulations.
Section 7 – Handling and Storage	
<b>Handling and Storage:</b>	Clean clothing should be worn daily to avoid possible long-term build up of the product leading to chronic overexposure. When using, do not eat, drink or smoke. Hands and/or face should be washed before and at the end of the shift. Open wounds or skin surface disruptions should be covered with a chemical resistant patch to minimise absorption risks.
<b>Storage Conditions:</b>	Store in a cool dry place. Keep the container tightly closed. Keep away from food, drink and animal feeds.
<b>Storage Temperature:</b>	4°C
<b>Other Precautions:</b>	This product contains non-pathogenic fungi. Do not ingest or inhale. Avoid contact with skin and eyes.. Wash hands after use. Remove personal protective equipment immediately after handling the product. As soon as possible after accidental contamination, follow advice in Section 4 and change into clean clothing.

Section 8 – Exposure Controls / Personal Protection	
<b>Permissible Exposure Level:</b>	No data available
<b>Health Hazard:</b>	None identified
<b>Effects of Chronic Exposure:</b>	May cause mild irritation
<b>Ventilation:</b>	Avoid opening containers in non-ventilated areas, in presence of strong draughts or windy conditions
<b>Personal Protective Equipment (PPE):</b>	Protective goggles, FFP2 dust mask recommended, protective clothing (full sleeves), Waterproof gloves
Section 9 – Physical and Chemical Properties	
<b>Appearance:</b>	Black coloured powder
<b>Odour:</b>	odourless
<b>Solubility in Water:</b>	Insoluble in water
<b>pH</b>	6.0
<b>Density:</b>	0.466g/mL
<b>Melting Point:</b>	No data available
<b>Evaporation Rate:</b>	No data available
<b>Freezing point:</b>	No data available
<b>Boiling point:</b>	No data available
<b>Flash point:</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temp:</b>	No data available
<b>Flammability (solid):</b>	Not expected to be flammable on the basis of components
<b>Combustible properties:</b>	The product is deemed non-combustible when used within commercially packaged quantities under normal circumstances. However, when handling the product in bulk, it's important to note that dust clouds may pose a potential risk of combustion. In other words, if the dust density in the air is high, there is a risk of organic dust fire and explosion.
<b>Oxidising properties:</b>	Not classified
<b>Explosive properties:</b>	None of the components are classified as explosive
Section 10 – Stability and Reactivity	
<b>Hazardous Polymerization:</b>	Will not occur
<b>Stability:</b>	Stable, no toxic fumes
<b>Incompatibility:</b>	No data available
<b>Reactivity</b>	Stable under normal conditions
<b>Decomposition:</b>	Biodegradable, naturally occurring non pathogenic fungi, non-GMO.
Section 11 – Toxicological Information	
<b>Primary Routes of Entry:</b>	Eyes and ingestion
<b>Skin corrosion or irritation:</b>	Not classified
<b>Eyes:</b>	Prolonged or repeated exposure may cause irritation.
<b>Inhalation:</b>	Prolonged inhalation may irritate the respiratory tract.
<b>Ingestion:</b>	Not classified

<b>Acute Toxicity:</b>	Not classified
<b>Existing Conditions:</b>	May provoke asthmatic responses in persons with asthma
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive toxicity:</b>	Not classified
<b>Germ cell mutagenicity:</b>	Not classified
<b>LD50 Data</b>	
<b>Rat:</b>	No data available
<b>Guinea pig:</b>	No data available
<b>Section 12 – Ecological Information</b>	
<b>Ecotoxicity:</b>	Not known to be an eco toxin
<b>Persistence and degradability:</b>	Biodegradable
<b>Bioaccumulative potential:</b>	Not expected to bioaccumulate
<b>Mobility in Soil:</b>	No additional information available
<b>Section 13 – Disposal Considerations</b>	
Do not reuse product packing materials and residues. Dispose of the product packing materials and residues according to local state health and environment regulations. Dispose of empty containers and surplus material in a safe manner so as to prevent environmental or water pollution, or contamination of food and animal feed. Never use the empty containers for storing food or water.	
<b>Section 14 – Transport Information</b>	
Product is believed to be not dangerous to the environment with respect to persistence, degradability, mobility, bioaccumulative potential, aquatic toxicity and other data relating to ecotoxicity.	
<b>Dangerous for the environment:</b>	No
<b>Marine pollutant:</b>	No
<b>Section 15 – Regulatory Information</b>	
EU-Regulations: Non-hazardous mix according to Regulation (EC) No.1272/2008 For National regulations please refer to protective measures as listed in Sections 4 - 8	
<b>Section 16 – Other Information</b>	
<b>ALWAYS USE AS DIRECTED.</b>	
The information provided for the preparation of this document was accurate and comprehensive at the time of writing to the best of our knowledge. The document is a representation of the business's sincere commitment to its obligations related to the supply of these goods. This document shouldn't be regarded as an absolute authority, but rather as a safety guide for the product and its recommended usage. This safety data sheet should not be confused with a specification agreement because it is neither a Certificate of Analysis (CoA) nor a technical data sheet. Please consult the relevant legislation and regulations pertaining to the use and storage of this type of product.	
<b>Version: 1.0</b>	
<b>Prepared on:</b>	10/Mar/2023

Safety Data Sheet – AU-1081 Microbial Inoculant

Section 1 - Identification of Material	
<b>Product Name:</b>	AU-1081
<b>Prepared Date:</b>	12/April/2023
<b>Company address:</b>	Loam Bio Loam Bio, Australia, Building 1120, 346 Leeds Parade, Orange, NSW 2800
<b>Manufacturer</b>	Loam Bio LLC
<b>Phone Number:</b>	000 <b>(AU Emergency)</b> 131126 <b>(AU Poison Centre)</b>
<b>Product Use:</b>	Biocontrol Agent, Plant fertiliser/ seed treatment for agricultural use
Section 2 – Hazard(s) Identification	
<b>GHS classification of the substance</b>	Not a dangerous substance or mixture according to the criteria of GHS.
<b>Hazard statements:</b>	No hazard statements assigned
<b>Precautionary statements:</b>	<ul style="list-style-type: none"> <li>• Wear protective gloves, goggles and FFP2 dust mask.</li> <li>• Keep out of reach of children.</li> <li>• Avoid breathing dust.</li> <li>• Avoid breathing in any dust and prevent contact with eyes, skin, or clothing.</li> <li>• Wash hands thoroughly after handling.</li> <li>• Do not eat, drink or smoke when using this product</li> <li>• Seek medical advice if you feel unwell.</li> <li>• Store in a well-ventilated place.</li> <li>• Keep the container tightly closed.</li> <li>• Collect/deactivate spillage with household bleach.</li> </ul>
Section 3 – Composition and Information of Ingredients	
<b>Ingredients:</b>	Contains culture of non-pathogenic fungi (non-genetically modified, non-hazardous)
<b>Product Identifier</b>	20230127 1081
<b>Proportion (by weight)</b>	1.27E+09
Section 4 – First-Aid Measures and Medical	
<b>If on skin:</b>	Wash with soap and water. No further action required.
<b>If in eyes:</b>	Flush with clean water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Seek medical advice if irritation persists.
<b>Inhalation:</b>	If difficulty in breathing occurs, move the affected person to fresh air. Loosen clothing to ease breathing. Seek immediate medical attention.
<b>Ingestion:</b>	Maybe harmful if swallowed. If accidental ingestion occurs, wash your mouth with plenty of water, give water to drink to dilute and then induce vomiting. Seek medical attention and contact a Poisons Information Centre immediately.

Section 5 – Fire-Fighting Measures	
<b>Flash Point:</b>	No information available
<b>Hazardous Decomposition Products:</b>	None (see comment above)
<b>Explosion Limit:</b>	No information available
<b>Fire Extinguishing Media:</b>	Use water spray. Dry powder. Foam. Carbon dioxide.
<b>Non-suitable Media</b>	None known.
<b>Fire &amp; Explosion Hazards:</b>	Minimise creation of dust clouds. When bulk handling, dust may be subject to organic dust fire and explosion at high dust density in air, near sources of ignition. (Guidance can be obtained on FPA, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids)
Section 6 – Accidental Release Measures	
<b>In case of spill:</b>	<p>Allow aerosols (if any) to settle. Wearing protective clothing. Gently cover the spill with an absorbent paper towel, or spill kit and apply a generous quantity of suitable disinfectant (Vira clean or Household Bleach), starting at the perimeter and working towards the centre. Allow at least 30 mins contact time before cleaning up.</p> <p>Use clean-up methods that avoid dust generation (vacuum wet). Use approved industrial vacuum cleaner for removal. Collect all waste in suitable and labelled containers and dispose according to local legislation.</p>
<b>Waste disposal method:</b>	No special disposal measures necessary. Follow local regulations.
Section 7 – Handling and Storage	
<b>Handling and Storage:</b>	Clean clothing should be worn daily to avoid possible long-term build up of the product leading to chronic overexposure. When using, do not eat, drink or smoke. Hands and/or face should be washed before and at the end of the shift. Open wounds or skin surface disruptions should be covered with a chemical resistant patch to minimise absorption risks.
<b>Storage Conditions:</b>	Store in a cool dry place. Keep the container tightly closed. Keep away from food, drink and animal feeds.
<b>Storage Temperature:</b>	4°C
<b>Other Precautions:</b>	This product contains non-pathogenic fungi. Do not ingest or inhale. Avoid contact with skin and eyes.. Wash hands after use. Remove personal protective equipment immediately after handling the product. As soon as possible after accidental contamination, follow advice in Section 4 and change into clean clothing.

Section 8 – Exposure Controls / Personal Protection	
<b>Permissible Exposure Level:</b>	No data available
<b>Health Hazard:</b>	None identified
<b>Effects of Chronic Exposure:</b>	May cause mild irritation
<b>Ventilation:</b>	Avoid opening containers in non-ventilated areas, in presence of strong draughts or windy conditions
<b>Personal Protective Equipment (PPE):</b>	Protective goggles, FFP2 dust mask recommended, protective clothing (full sleeves), Waterproof gloves
Section 9 – Physical and Chemical Properties	
<b>Physical State</b>	Solid
<b>Appearance:</b>	White coloured powder
<b>Odour:</b>	odourless
<b>Solubility in Water:</b>	Insoluble in water
<b>pH:</b>	6.0
<b>Density:</b>	0.256 g/mL
<b>Particle Size:</b>	Maximum 212 µm
<b>Melting Point:</b>	No data available
<b>Evaporation Rate:</b>	No data available
<b>Freezing point:</b>	No data available
<b>Boiling point:</b>	No data available
<b>Flash point:</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temp:</b>	No data available
<b>Flammability (solid):</b>	Not expected to be flammable on the basis of components
<b>Combustible properties:</b>	The product is deemed non-combustible when used within commercially packaged quantities under normal circumstances. However, when handling the product in bulk, it's important to note that dust clouds may pose a potential risk of combustion. In other words, if the dust density in the air is high, there is a risk of organic dust fire and explosion.
<b>Oxidising properties:</b>	Not classified
<b>Explosive properties:</b>	None of the components are classified as explosive
Section 10 – Stability and Reactivity	
<b>Hazardous Polymerization:</b>	Will not occur
<b>Stability:</b>	Stable, no toxic fumes
<b>Incompatibility:</b>	No data available
<b>Reactivity</b>	Stable under normal conditions
<b>Decomposition:</b>	Biodegradable, naturally occurring non pathogenic fungi, non-GMO.

Section 11 – Toxicological Information	
<b>Primary Routes of Entry:</b>	Eyes and ingestion
<b>Skin corrosion or irritation:</b>	Not classified
<b>Eyes:</b>	Prolonged or repeated exposure may cause irritation.
<b>Inhalation:</b>	Prolonged inhalation may irritate the respiratory tract.
<b>Ingestion:</b>	Not classified
<b>Acute Toxicity:</b>	Not classified
<b>Existing Conditions:</b>	May provoke asthmatic responses in persons with asthma
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive toxicity:</b>	Not classified
<b>Germ cell mutagenicity:</b>	Not classified
LD50 Data	
<b>Rat:</b>	No data available
<b>Guinea pig:</b>	No data available
Section 12 – Ecological Information	
<b>Ecotoxicity:</b>	Not known to be an eco toxin
<b>Persistence and degradability:</b>	Biodegradable
<b>Bioaccumulative potential:</b>	Not expected to bioaccumulate
<b>Mobility in Soil:</b>	No additional information available
Section 13 – Disposal Considerations	
<p>Do not reuse product packing materials and residues. Dispose of the product packing materials and residues according to local state health and environment regulations. Dispose of empty containers and surplus material in a safe manner so as to prevent environmental or water pollution, or contamination of food and animal feed. Never use the empty containers for storing food or water.</p>	
Section 14 – Transport Information	
<p>Product is believed to be not dangerous to the environment with respect to persistence, degradability, mobility, bioaccumulative potential, aquatic toxicity and other data relating to ecotoxicity.</p>	
<b>Dangerous for the environment:</b>	No
<b>Marine pollutant:</b>	No
Section 15 – Regulatory Information	
<p>EU-Regulations: Non-hazardous mix according to Regulation (EC) No.1272/2008 For National regulations please refer to protective measures as listed in Sections 4 - 8</p>	

## Section 16 – Other Information

### **ALWAYS USE AS DIRECTED.**

The information provided for the preparation of this document was accurate and comprehensive at the time of writing to the best of our knowledge. The document is a representation of the business's sincere commitment to its obligations related to the supply of these goods. This document shouldn't be regarded as an absolute authority, but rather as a safety guide for the product and its recommended usage. This safety data sheet should not be confused with a specification agreement because it is neither a Certificate of Analysis (CoA) nor a technical data sheet. Please consult the relevant legislation and regulations pertaining to the use and storage of this type of product.

**Version: 1.0**

**Prepared on:** 11/April/2023