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BIOHUB T3-S

Safety Data Sheet



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Overview

1. Identification of the Material and Manufacturer

Product Name	BioHub T3-S
Intended Use	Plant root coloniser for horticultural crops, as biofertiliser
Details of Company	BioHub Pty Ltd 3/49 Donaldson Road Rocklea, Qld, 4106
Emergency Contact	1300 064 020
UN Number	N/A
D.G. Class	N/A
Subsidiary Risk	None
Hazchem Code	N/A
Packaging Group	N/A
Poisons Schedule	N/A

2. Hazards Identification

Emergency Overview

Agricultural ingredients may upset allergies or cause respiratory illness. May irritate eyes and skin.

Classification of the Substance or Mixture

Classification (GHS-US) Combustible dusts

Label Elements

Signal Word Warning

Hazard statement May form combustible dust concentrations in the air. Not classified as Dangerous Goods.

General	Fine dust clouds may form explosive mixtures in the air. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose, and throat.
Prevention	Keep away from heat, sparks, open flames, and hot surfaces - no smoking. Prevent dust accumulation.
Response	Reduce accumulation of dust in air and on surfaces.
Storage	Product should be stored in a cool, dry area. Any mechanical action may generate dust. Avoid formation of combustible dust concentrations in the air.
Disposal	Not applicable

Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

3. Composition/Information on Ingredients

All ingredients found non-hazardous or below reporting limits.

Name	Product Identifier	%	Classification (GHS-US)
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4. First Aid Measures

First Aid Descriptions

General	Never give anything by mouth to unconscious person. If you feel unwell, seek medical advice (show label if possible).
On Skin Contact	Rinse immediately with plenty of water. Obtain medical attention if irritation develops or persists.
On Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
On Ingestion	Do not induce vomiting. Rinse mouth. Immediately call a poison centre or doctor.

Most Important Symptoms and Effects

Symptoms/Injuries	Not expected to present a significant hazard under anticipated conditions of normal use.
On Inhalation	May cause respiratory irritation.
On Skin Contact	May cause irritation.
On Eye Contact	May cause eye irritation
On Ingestion	May be harmful if ingested in large quantities.

Chronic Symptoms None expected under normal conditions of use.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible)

5. Fire Fighting Measures

Extinguishing Media

Suitable Extinguishing Media Foam CO₂, dry chemical, or water fog.

Unsuitable Extinguishing Media Do not use direct hose stream if dust can be dispersed into air. Dust dispersed by water stream in the presence of an ignition source could explode.

Special Hazards Arising from the Substance or Mixture

Fire Hazard Not flammable.

Explosion Hazard Product is not explosive.

Reactivity Hazardous reactions will not occur under normal conditions.

Advice to Firefighters

Precautionary Measures Exercise caution when fighting any chemical fire.

Firefighting Instructions Use water spray or fog for cooling exposed containers.

Protection Measures Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information Refer to Section 9 for flammatory properties.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray)

For Non-emergency Personnel

Protective Equipment Use appropriate personal protection equipment (PPE).

Emergency Procedures Evacuate unnecessary personnel.

For Emergency Responders

Protective Equipment Equip clean up crew with proper protection.

Emergency Procedures

Upon arrival at the scene, a first responder is expected to recognise the presence of goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Environmental Precautions

Avoid unnecessary release to the environment

Methods and Material for Containment and Cleaning Up**For Containment**

Contain any spills with dikes and absorbents

Methods for Cleaning Up

Clean up spills immediately and dispose of water safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal.

Reference to Other Sections

See Heading 8. Exposure Controls and Personal Protection. For further information refer to Section 13.

7. Handling and Storage

Precautions for Safe Handling - Hygiene

Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work.

Conditions for Safe Storage Including any Incompatibilities**Technical Measures**

Comply with applicable regulations.

Storage Conditions

Store in a cool, dry, and well-ventilated place. Keep container closed when not in use. Keep away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Products

Strong acids. Strong bases. Strong oxidisers.

Specific End Use(s)

For professional use only.

8. Exposure Controls and Personal Protection

Control Parameters

For substances listed in Section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

Exposure Controls

Appropriate Engineering Controls	Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.
PPE	Protective goggles. Gloves. Protective clothing.
Material for Protective Clothing	Chemically resistant materials and fabrics.
Hand Protection	Wear chemically resistant protective gloves.
Skin and Body Protection	Wear suitable protective clothing.
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.
Environment Exposure Controls	Do not allow the product to be released into the environment.
Consumer Exposure Controls	Do not eat, drink, or smoke during use.

9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State	Powder
Appearance	Light green powder
Odour	Earthy
Odour Threshold	No information available
pH	6.3 – 7.1
Evaporation Rate	No information available
Melting Point	No information available
Freezing Point	No information available
Boiling Point	No information available
Flash Point	No information available
Auto-ignition Temperature	No information available
Decomposition Temperature	No information available
Flammability	No information available
Vapour Pressure	No information available
Relative Density at 20°C	No information available
Solubility	Suspended until mixed.
Partition Coefficient	No information available
Viscosity	No information available
Other information	No additional information available

10. Stability and Reactivity

Reactivity	Hazardous reactions will not occur under normal conditions.
Chemical Stability	Stable under recommended handling and storage conditions (see Section 7).
Possibility of Hazardous Reactions	Hazardous polymerisation will not occur.
Conditions to Avoid	Direct sunlight. Extremely high or low temperatures. Ignition sources. incompatible materials.
Incompatible Materials	Strong acids, strong bases, strong oxidisers.
Hazardous Decomposition Products	Thermal decomposition generates: organic compounds, nitrogen oxides, hydrogen chloride.

11. Toxicological Information

Information on Toxicological Effects

Acute Toxicity	Not classified
Skin Corrosion/Irritation	Not classified
Serious Eye Damage/Irritation	Not classified
Respiratory or Skin Sensitisation	Not classified
Germ Cell Mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive Toxicity	Not classified
Specific Target Organ Toxicity (Single Exposure)	Not classified
Specific Target Organ Toxicity (Double Exposure)	Not classified
Aspiration Hazard	Not classified
Symptoms/Injuries after Inhalation	May cause respiratory irritation
Symptoms/Injuries after Skin Contact	May cause skin irritation
Symptoms/Injuries after Eye Contact	May cause eye irritation
Symptoms/Injuries after Ingestion	May be harmful if ingested in large quantities
Chronic Symptoms	None expected under normal conditions of use

12. Ecological Information

Toxicity	No additional information available
Persistence and Degradability	No additional information available
Bioaccumulative Potential	No additional information available
Mobility in Soil	No additional information available
Other Adverse Effects	No additional information available

13. Disposal Considerations

Disposal

Rinse all drums with water and add to spray mix. Dispose of all containers at a suitable site.

Always dispose of in accordance with local, state, and federal regulations.

14. Transport Information

In Accordance with DOT Not regulated for transport

In Accordance with IMDG Not regulated for transport

In Accordance with IATA Not regulated for transport

15. Regulatory Information

State Regulations

Neither this product nor its chemical components appear on any state lists

16. Other Information

SDS Creation Date 10/06/2022

Issue Number 001. This issue number replaces all previous issues.

Customer Service 1300 064 020

Australian Poisons Info Centre 13 11 26

No substances on the state hazardous substances list, for the states indicated, are used in the manufacture of the products on this Material Safety Data Sheet, with the exceptions indicated. While we have not specifically analysed these products, the raw materials used in their manufacture or for substances on various state hazardous substances list, to the best of our knowledge, the products on this Material Safety Data Sheet contain no such substances except for those specifically listed.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written instructions. As specific conditions of use of the product are outside of the suppliers' control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with. The information in this Safety Data Sheet is based on the present knowledge and current national legislation. It provides guidance on health, safety, and environmental aspects of the product and should not be construed as a guarantee of technical performance or suitability for particular applications. This SDS will be revised and updated as requirements occur. Should further information and relevant advice be required, contact BioHub Solutions Pty Ltd.