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# BIOHUB B4-S

## Safety Data Sheet



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# Overview

## 1. Identification of the Material and Manufacturer

<b>Product Name</b>	BioHub B4-S
<b>Intended Use</b>	Crop supplement for leafy green vegetables
<b>Details of Company</b>	BioHub Pty Ltd 3/49 Donaldson Road Rocklea, Qld, 4106
<b>Emergency Contact</b>	1300 064 020
<b>UN Number</b>	N/A
<b>D.G. Class</b>	N/A
<b>Subsidiary Risk</b>	None
<b>Hazchem Code</b>	N/A
<b>Packaging Group</b>	N/A
<b>Poisons Schedule</b>	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.

<b>General</b>	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.
<b>Prevention</b>	Keep away from heat, sparks, open flames, and hot surfaces - no smoking. Prevent dust accumulation.
<b>Response</b>	Reduce accumulation of dust in air and on surfaces.
<b>Storage</b>	Product should be stored in a cool, dry area. Any mechanical action may generate dust. Avoid formation of combustible dust concentrations in the air.
<b>Disposal</b>	Not applicable

#### Other Hazards

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

## 3. Composition/Information on Ingredients

All ingredients are registered in the TSCA inventory.

Name	Product Identifier	%	Classification (GHS-US)
Sodium chloride	(CAS No) 7647-14-5	Not available	Not classified
Microbial cultures	(CAS No) Not available	Not available	Not classified

## 4. First Aid Measures

#### First Aid Descriptions

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

#### Most Important Symptoms and Effects

<b>Symptoms/Injuries</b>	Not expected to present a significant hazard under anticipated conditions of normal use.
<b>On Inhalation</b>	May cause respiratory irritation.
<b>On Skin Contact</b>	May cause irritation.

<b>On Eye Contact</b>	May cause eye irritation
<b>On Ingestion</b>	May be harmful if ingested in large quantities.
<b>Chronic Symptoms</b>	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 CO<sub>2</sub>, 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

<b>Appropriate Engineering Controls</b>	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.
<b>PPE</b>	Protective goggles. Gloves. Protective clothing.
<b>Material for Protective Clothing</b>	Chemically resistant materials and fabrics.
<b>Hand Protection</b>	Wear chemically resistant protective gloves.
<b>Skin and Body Protection</b>	Wear suitable protective clothing.
<b>Respiratory Protection</b>	If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.
<b>Environment Exposure Controls</b>	Do not allow the product to be released into the environment.
<b>Consumer Exposure Controls</b>	Do not eat, drink, or smoke during use.

## 9. Physical and Chemical Properties

### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Granular
<b>Appearance</b>	White to light brown powder
<b>Odour</b>	No information available
<b>Odour Threshold</b>	No information available
<b>pH</b>	No information available
<b>Evaporation Rate</b>	No information available
<b>Melting Point</b>	No information available
<b>Freezing Point</b>	No information available
<b>Boiling Point</b>	No information available
<b>Flash Point</b>	No information available
<b>Auto-ignition Temperature</b>	No information available
<b>Decomposition Temperature</b>	No information available
<b>Flammability</b>	No information available
<b>Vapour Pressure</b>	No information available
<b>Relative Density at 20°C</b>	No information available
<b>Solubility</b>	No information available
<b>Partition Coefficient</b>	No information available
<b>Viscosity</b>	No information available
<b>Other information</b>	No additional information available

## 10. Stability and Reactivity

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

## 11. Toxicological Information

### Information on Toxicological Effects

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

## 12. Ecological Information

<b>Toxicity</b>	No additional information available
<b>Persistence and Degradability</b>	No additional information available
<b>Bioaccumulative Potential</b>	No additional information available
<b>Mobility in Soil</b>	No additional information available
<b>Other Adverse Effects</b>	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**

17/10/2020

**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.