

# MATERIAL SAFETY DATA SHEET

## SUBSTANCE IDENTIFICATION AND SUPPLIER

<b>Product Name:</b>	Foliacin
<b>Other Names:</b>	NA
<b>Recommended Use:</b>	BioStimulant for eliciting plant defence mechanisms
<b>Company Identification:</b>	BioStart Limited
<b>Address:</b>	227 Top Road PO Box 66 Morrinsville New Zealand
<b>Customer Centre:</b>	+64 7 887 8871
<b>National Poisons Information Centre:</b>	0800 POISON (0800 764 766)
<b>Emergency Telephone Number:</b>	+64 21848342
<b>Transport Emergency:</b>	111 Tell operator what service is needed: Fire, Ambulance, Police

## HAZARD IDENTIFICATION

<b>Dangerous Goods:</b>	Not Classified as a Dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land
<b>Hazardous Substances:</b>	Not Classified as Hazardous
<b>HASNO Codes:</b>	Not Classified as Hazardous
<b>Hazardous Statement:</b>	Not Classified as Hazardous
<b>Precautionary Statement:</b>	Keep out of reach of children. Read label before use.

## COMPOSITION INFORMATION

ACTIVE INGREDIENT	CAS No.	CONTENT
Non Viable Fermentation	NA	70%

## FIRST AID MEASURES

<b>First Aid Measures:</b>	For advice contact a doctor. Have product container or label at hand.
<b>Inhalation:</b>	Not applicable
<b>Ingestion:</b>	Rinse mouth with water. Give water to drink to achieve dilution.
<b>Skin:</b>	Remove all contaminated clothing and wash before reuse. Wash skin with plenty of soap and water.
<b>Eye:</b>	Rinse cautiously with water for several minutes. Remove contact lenses if present
<b>Advice to Doctor:</b>	Treat symptomatically

## FIRE FIGHTING MEASURES

<b>Specific Hazard:</b>	Non combustible liquid
<b>Extinguishing Media:</b>	Not applicable
<b>Fire Fighting Advice:</b>	Not applicable

## ACCIDENTAL RELEASE MEASURES

Avoid accident, clean up immediately. Do not allow product to reach drains, sewers or waterways. If the product does enter a waterway, advise your local Regional Council. Collect spilled material into suitable containers and hold for later disposal. Wash area down with excess water. Do not wash material down the drain or sewer.

## HANDLING AND STORAGE

<b>Handling:</b>	Before use carefully read product label. Handle in according with good industrial hygiene and safety practice. Avoid skin and eye contact. Wear impervious gloves and safety glasses when handling. Always wash hands and exposed skin through after use.
<b>Storage:</b>	Store in a dry, well ventilated and clean area free from insects and rodent infestation. Keep containers tightly sealed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect from physical damage. Storage temperature should stay between 10-18°C.
<b>Other Information:</b>	Always read the label before use. See label for further information on handling and storage.

## EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Workplace Exposure Guidelines:</b>	No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH)
<b>Engineering Controls:</b>	Ensure ventilation is adequate to maintain air flow. Keep containers closed when not in use.

**Personal Protective Equipment:** Wear overalls, chemical goggles and rubber gloves. Always wash your hands before smoking, eating, drinking or using toilet. Wash contaminated clothing and other protective equipment before storage or reuse.

## PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Brown liquid

**Odour:** Sweet, slightly earthy odour.

**Solubility in Water:** 1000 ml/lit at 20°C

**Specific Gravity:** 1.175 gm/ml

**Flash Point:** Not applicable

**pH:** 3.6-4.0

**Melting Point:** Not applicable

**Boiling Point:** 100°C

**Vapour Pressure:** Not applicable

## STABILITY AND REACTIVITY

**Stability:** Product is stable under normal conditions of use and storage.

**Reactivity:** The solution is neutral.

## 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:

**Swallowed:** No adverse effect expected, however large amounts may cause irritation of the mouth and throat, or to the stomach.

**Eye Contact:** Direct contact with eyes may cause slight to mild irritation in some individuals.

**Skin Contact:** Direct contact with skin may cause slight to mild irritation in some individuals.

**Inhaled:** Inhalation of spray mist may cause respiratory tract irritation in some individuals.

**Long Term Effects:** Not known

**Toxicological Data:** Acute Oral LD50 not known  
 Eye Irritation: mild irritant  
 Acute Dermal LD50 not known  
 Dermal Irritation: Slight to Mild  
 Acute Inhalation LD50: not known  
 Not a carcinogen, not a teratogenic

## ECOLOGICAL INFORMATION

Avoid contaminating waterways.

**Aquatic Toxicity:** Not known

## DISPOSAL INFORMATION

**Product Disposal:** Recycle wherever possible. Whatever cannot be saved for recovery or recycling should be sent to an approved waste disposal contractor for disposal in an approved waste facility. Care should be taken to ensure compliance with national and local regulations. This product is NOT for disposal via municipal sewer, drains, natural streams or rivers.

**Special Precautions:** Emptied containers retain product residue. Observe all safeguards on label and in this MSDS until container is cleaned or destroyed. Rinse empty containers with plenty of water. Dispose of washed containers in accordance with local authority requirements, normally at an approved landfill site.