

Organic Farming Systems

(Sustainable Ventures Pty Ltd ACN 076 001 100)

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Material Safety Data Sheet

Issue Date: 9/02/15

Product Name: Actinobact

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION

Product Name	Actinobact
Product Use	Soil biological ameliorant
Chemical Name	Streptomyces sp and Bacillus sp

2. COMPOSITION/ INGREDIENTS

Ingredients:	Name	CAS	Proportion
	Streptomyces sp & Bacillus sp	NA	1 x 10 ⁸ cfu/ml
	Inerts	NA	Remainder

3. HAZARDS IDENTIFICATION

	Contains beneficial non-pathogenic micro-organisms with no known allergic or irritating side effects when used as directed.
Risk phrases:	May cause slight irritation to eyes.
Safety phrases:	Keep out of reach of children Avoid contact with eyes
Hazard category:	Non hazardous. Non dangerous goods.
Symptoms & Effects:	May be harmful if absorbed through skin. Do not expose to open cuts and wounds; may cause irritation to mucous membrane if digested.
Other hazard information:	Nil

4. FIRST AID MEASURES

Inhalation:	Remove victim to fresh air. Investigate possible misuse of material. Seek medical attention.
Ingestion:	Rinse mouth with water. Give person water to sip if able to swallow. If a large quantity ingested induce vomiting and consult physician. Never give anything by mouth to an unconscious person.
Eye:	Remove contact lenses. Immediately irrigate with copious amount of water for at least 15 minutes. Eyelids to be held open. Seek medical advice.
Skin:	Wash affected skin with water. Take off contaminated clothing.
First Aid Facilities:	Normal washroom facility.
Advice to Doctor:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media:	Use extinguishing media suitable for surrounding fire situation.
Specific Hazards:	Nil.
Precautions in connection with fire:	Firefighters should wear self-contained breathing apparatus and full protective clothing to minimize exposure. Promptly isolate the scene by removing all

persons from the vicinity if there is a fire. If safe to do so, remove undamaged containers from fire area.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal: Contain and collect using absorbent material. Small spills may be flushed to sewer. Dispose of to landfill.

7. HANDLING AND STORAGE

Handling: Repeated or prolonged exposure to the concentrate without personal protection should be avoided in order to lessen the possibility of disorders. It is essential that all who come into contact with this material maintain good standards of personal hygiene ie washing hands prior to eating, drinking or going to the toilet. Keep container closed and bung in place.

Storage: Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Best stored below 25°C. Do not freeze

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits: No value assigned for this specific material by the National Occupational Health and Safety Commission. However as with all chemicals exposure to concentrate should be kept to the least possible level.

Respiratory Protection: Not necessary for the diluted product or when handling the concentrate.

Eye Protection: Safety glasses.

Hand Protection: Incidental skin contact is not harmful. Wash skin immediately after exposure.

Body Protection: N/A

Engineering Controls: N/A

Other information: No biological limit value allocated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown translucent liquid

Odour: Mild fermentation odour

Boiling Point: 100°C

pH: 6 to 6.8

Solubility in Water: Infinitely soluble in water.

Specific Gravity: 1.0

Physical State: Liquid.

Flash Point: Not flammable.

Flammability: Not flammable.

Flammability limits LEL: Not flammable.

Flammability limits UEL: Not flammable.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and handling.

Hazardous polymerization: Will not occur.

Materials to avoid: Strong oxidizing agents.

Hazardous decomposition products: None known.

Hazardous reaction: Not a fire hazard.

11. TOXICOLOGICAL INFORMATION

Toxicology Information: Not available. Active ingredients practically non-toxic, non-allergenic and non-pathogenic to mammals.

Inhalation: Ingredients considered non hazardous when used as directed.

Ingestion: Not a likely source of exposure, however moderate quantities of concentrate may cause irritation.

Skin: Not available.
Eye: Not available.
Chronic Effects: No known adverse effects.

12. ECOLOGICAL INFORMATION

Environ Protection: No data available on this product.
Mobility: No data available on this product.
Persistence: No data available on this product.
Bioaccumulation: No data available on this product.
Ecotoxicity: No data available on this product.

13. DISPOSAL CONSIDERATIONS

Dispose of waste according to federal, EPA , state and local regulations.
Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

Un number: None allocated.
Proper Shipping Name: None allocated.
DG Class: None allocated.
Hazchem Code: None allocated.
Packing Group: None allocated.
EPG Number: None allocated.
IERG Number: None allocated.

15. REGULATORY INFORMATION

Safety Phrase: S2 Keep out of reach of children.
S25 Avoid contact with eyes.
Poisons Schedule: Not Scheduled.

16. OTHER INFORMATION

The data and recommendations presented herein are based upon research of others believed to be accurate. However, no warranty is expressed or implied regarding this data or the results to be obtained from use thereof. Organic Farming Systems assumes no responsibility for the injury to customers or third party proximity caused by the material if reasonable safety procedures are not adhered to as stipulated in this data sheet.

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