



BEAVERIA BASSIANA

CERTIFICATE OF ANALYSIS

S.No.	Parameters	Beauveria Bassiana
1	Form and appearance	Off white powder
2	Cell number, of the time of manufacture	1 x 10 ⁹ /g carrier within 15 days of manufacture
3	Cell number at the time of expiry	1x 10 ⁸ /ml carrier within 15 days before expiry date
4	pH	7.0 to 8.0
5	CFU's on selective medium	1x 10 ⁸ colony per gram minimum
6	Bacterial pathogenic contaminants <i>Salmonella, Shigella, and Vibrio</i>	Nil
7	Other microbial contaminants	Not exceeding 1 x 10 ⁴
8	Stability of cfu's at 30 ° C and 65 % RH.	24 months
9	Carrier	Diatomaceous earth powder (food grade)

Manufactured by Biological Solutions Ltd
 4 Cargill Place, Richmond 7020
 Ph: 0800 10 60 91
 E: admin@biosea.co.nz
 W: www.biosolutions.co.nz

AS AT 1.09.19



MATERIAL SAFETY DATA SHEET

MATERIAL : Beauveria Bassiana

SECTION I - PRODUCT IDENTIFICATION

GENERAL OR GENERIC NAME: Liquid Microbial Inoculants

HAZARD RATING : HEALTH: 0 Normal Material

FIRE : 0 will not burn

REACTIVITY: 0 Stable

SECTION II - HAZARDOUS INGREDIENTS

If present, carcinogens and chemicals subject to reporting are identified in this section:

No hazardous ingredients present; not hazardous to humans, animals or plants.

SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS

Microbial Culture (Beauveria Bassiana) - 10%

Wettable powder - 90%

SECTION IV : FIRST AID:

IF ON SKIN : Wash off with fresh water

IF ON EYES : Flush with fresh water

IF INHALED : Remove to open and well ventilated area

IF INGESTED : Drink fresh water

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SECTION V - FIRE AND EXPLOSION INFORMATION

FLASH POINT: N/A HAZARDOUS DECOMPOSITION BYPRODUCTS: None
EXPLOSION LIMIT: 0 FIRE FIGHTING PROCEDURES: N/A
EXTINGUISHING: N/A SPECIAL FIRE & EXPLOSION HAZARDS: None

SECTION VI - SPILL OR LEAK PROCEDURES

IN CASE OF LEAK OR SPILL : Mop up with fresh water, sewer disposal
WASTE DISPOSAL METHOD : Sewer disposal
HANDLING AND STORING PRECAUTIONS : Store at room temperature
EPA HAZARDOUS WASTE : No

SECTION VII – HANDLING AND STORAGE

MINIMUM/MAXIMUM STORAGE TEMPERATURE: Not available
HANDLING : Keep bags sealed closed when not being used. This product presents a weak off-gassing of organic volatiles. Avoid direct or prolonged breathing off-gas.
STORAGE : Store in sealed bags. Store in an area that is clean, dry, away from ignition source, isolated from all toxic and harmful substances.

SECTION VIII: SIGNS AND SYMPTOMS OF EXPOSURE

SKIN : May cause mild irritation
EYES : May cause mild eye irritation
INHALATION : May cause mild breathing un-comfort
INGESTION : May cause gas

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SECTION IX - PHYSICAL DATA

BOILING POINT: >100 °C	SPECIFIC GRAVITY: N/A
VAPOR PRESSURE: N/D	SOLUBILITY IN WATER: Complete
VAPOR DENSITY: Air = 1	MELTING POINT: N/A
% VOLATILE BY VOLUME: 0	EVAPORATION RATE: Equal to water
APPEARANCE AND ODOR: Off white fermented smell	pH OF SOLUTION: < 3.50+0.20

SECTION X - REACTIVITY DATA

HAZARDOUS POLYMERIZATION	: Will not occur
STABILITY	: Stable with no toxic fumes.
INCOMPATIBILITY	: None
HAZARDOUS DECOMPOSITION OR BYPRODUCTS	: None; biodegradable

SECTION XI - HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL	: None; see Section II
HEALTH HAZARDS	: None
CARCINOGENICITY	: Non-carcinogenic
EFFECTS OF CHRONIC OVEREXPOSURE	: None
PRIMARY ROUTES OF ENTRY	: Skin contact, Eye contact, Ingestion, Inhalation

SECTION X: FIRST AID:

IF ON SKIN	: Wash off with fresh water
IF ON EYES	: Flush with fresh water
IF INHALED	: Remove to open and well ventilated area
IF INGESTED	: Drink fresh water

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SECTION XI: TOXICOLOGICAL INFORMATION

Harmless if exposed to skin. May cause mild irritation if in contact with eyes, in which case thorough rinsing with fresh water is adequate. Inhalation may cause mild irritation and breathing discomfort but not hazardous. If ingested, may lead to gas in which case drinking fresh water is recommended.

SECTION X11: ECOLOGICAL INFORMATION

Product is safe to discharge in sewers even if undiluted. Discharge on ground and water bodies may be done by diluting with water.

SECTION XIII: DISPOSAL CONSIDERATION

Being fully bio-degradable, undiluted product can be discharged into sewage systems safely

SECTION XIV: TRANSPORT INFORMATION

Not hazardous for air, road, rail or sea transportation
Transport according to state, federal and local laws

SECTION XV: REGULATORY INFORMATION

Non hazardous, does not require protective equipment for handling
Minor irritation to eyes if exposed, remedied by rinsing with water
Inhalation may cause minor discomfort but not hazardous
Ingestion may cause gas, remedied by drinking fresh water

SECTION XVI - HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL	: None; see Section II
HEALTH HAZARDS	: None
CARCINOGENICITY	: Non-carcinogenic

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EFFECTS OF CHRONIC OVEREXPOSURE : None
PRIMARY ROUTES OF ENTRY : Skin contact, Eye contact, Ingestion,
Inhalation

OTHER INFORMATION

The information provided in this data sheet is based on actual ingredients used and process adopted for manufacture. The information is correct to the best of knowledge at the date of publication. The information relates to the specific material referred in this data sheet and may not be valid when used in combination with other materials. Handling and safety procedures are in accordance with our tested trials and results. Our company disclaims any loss for damage from the result of using this data or information.

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