

Artemis & Angel Co., Ltd.

99/296 President Park, Sukhumvit 24, Klongtoey,
Bangkok 10110, Thailand

Tel.: (President) +66-86-329-6038; (Sales): +66-99-337-7866

E-mail: (Sales) artemisandangelcoltd@gmail.com **Website:** www.artemisthai.com

Company Guarantee of the Micro-Organisms in Bio-Plant

Product Name	:	BIO-PLANT
Origin	:	Thailand
Packaging	:	1-litre bottles
Description	:	Bio-liquid fertilizer
Physical Properties	:	Concentrated brown black liquid
Process	:	Fermentation
Produced From	:	Pure Culture Microbial Liquid Molasses (Molasses from 100% sugarcane)
Methods of Analysis	:	Total plated count of micro-organisms by pour-plate and spread-plate.
Result	:	Total plate count: 1.5×10^6 CFU/ml (minimum amount)

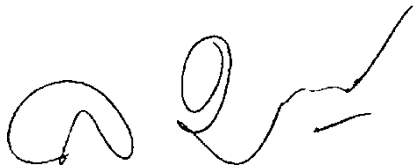
Components of Microbial Liquid Fertilizer Bio-Plant

Microorganisms

- Bacillus
- Achoromobacter
- Streptomyces
- Enterobacter
- Nitrobacter
- Nitrosomonas
- Pseudomonas

Note: Bio-Plant is 100% organic and guaranteed to be free of chemicals, toxins, and pathogens.

My warmest regards,



Somkiet Panjanapongchai
President
Artemis & Angel Co. Ltd.



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& Angel Co., Ltd.
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Material Safety Data Sheet

Bio-Plant Microbial Liquid 100% Organic Soil Conditioner

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Bio-Plant.

PRODUCT DESCRIPTION: Liquid, 100% organic soil conditioner made from fermented sugarcane molasses and cultured micro-organisms.

MANUFACTURER: Artemis & Angel Co. Ltd., 99/296 President Park, Sukhumvit 24, Klongtoey, Bangkok 10110, Thailand.

Tel.: +66-993377866 (English); +66-86-329-6038 (Thai & English)

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT APPROX. % BY WT: This cannot be calculated as this is a liquid soil conditioner. The whole soil conditioner is beneficial to the soil and plants. No water or filler are added to increase the weight.

COMPONENTS:

Microorganisms

- Bacillus
- Achoromobactor
- Streptomyces
- Aerobactor
- Nitrobactor
- Nitrosomonas
- Pseudomonas

TOTAL PLATE COUNT: 1.5×10^6 CFU/ml.

3. HAZARDS IDENTIFICATION

PHYSICAL APPEARANCE: Dark brown liquid.

IMMEDIATE CONCERNS: There are no specific hazards known to be associated with this product, although precautions should be taken to avoid unnecessary contact with eyes and mouth.

4. FIRST AID MEASURES

EYES: Irrigate thoroughly with water for at least 10 minutes. If any discomfort persists, obtain medical attention.

SKIN: No need for concern or medical attention. Just wash skin with water and soap.

INGESTION: Wash out mouth thoroughly with water. Obtain medical attention because the bacteria would be in too high a concentration for the stomach.

INHALATION: No concern.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: No hazard.

EXTINGUISHING MEDIA: We do not know how you could set it alight as it does not contain any chemicals. It is just fermented molasses. If you manage to set it alight, use either water spray, foam, dry chemical, or carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: No hazard. No need for appropriate protective clothing. Flush spillage down a drain or deposit it onto soil. There are no chemicals in it.

LARGE SPILL: No hazard. It can be disposed of on the nearest soil or down a drain. If it enters a waterway, there is no need for concern. The micro-organisms will help to clean the water.

7. HANDLING AND STORAGE

HANDLING: No protective clothing is needed. You can handle it with your bare hands with no negative effect.

STORAGE: Store in a cool, shaded, dry place in original container. You can leave it exposed to the air without any concern.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYES AND FACE: No need for appropriate clothing and eye protection.

RESPIRATORY: No need for appropriate clothing and eye protection.

PROTECTIVE CLOTHING: No special clothing is needed.

WORK HYGIENIC PRACTICES: If it gets onto your hands or skin, wash your hands or skin in case your hands touch your eyes later on.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid, made from fermented molasses

ODOR: Molasses

APPEARANCE: Liquid

COLOR: Dark brown

PH: 3.6

BOILING POINT: About 100 degrees Celcius.

FREEZING POINT: About 0 degrees Celcius.

MELTING POINT: Not relevant

SOLUBILITY: Liquid

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

HAZARDOUS DECOMPOSITION PRODUCTS: None

11. TOXICOLOGICAL INFORMATION

TOXINS AND PATHOGENS: There are no toxins or pathogens.

CARCINOGENICITY: None.

IARC: None of the materials used in this product contain chemicals on the IARC list.
NTP: None of the materials used in this product contain chemicals on the NTP list as there are no chemicals in it.
GENERAL COMMENTS: The product has no carcinogenic properties or mutagenic or teratogenic effects. It is 100% bio-organic and chemical-free.

12. ECOLOGICAL INFORMATION

GENERAL COMMENTS: Bio-Plant is 100% organic. You can pour it onto the soil and it will make the plants grow well. If it enters a waterway, it will not cause any harm, and the micro-organisms will merely clean the water. There is no concern for the environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Throw it onto soil so that the soil and plants benefit. There are no chemical residues. Indeed, it will remove the NPK chemical residues in the soil and make them available for the plants while improving the soil's micro-biology.

14. TRANSPORTATION INFORMATION

SPECIAL SHIPPING NOTES: This product is not regulated under national or international transport regulations.

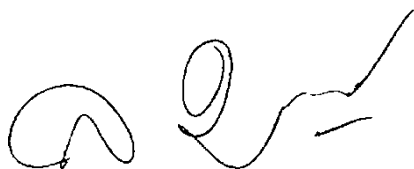
15. REGULATORY INFORMATION

GENERAL COMMENTS: This product is not regulated by any known government agency as hazardous.

16. OTHER INFORMATION

MANUFACTURE DISCLAIMER: The information supplied on this sheet is to the best of our knowledge accurate at the time of preparation. It does not relieve the user of this product of any responsibility to comply with local, national, or international laws relating to the handling or use of this product. The supplier does not accept responsibility for any claims resulting from the misuse of this product or failure to comply with the information stated within.

My warmest regards,



Somkiet Panjanapongchai
President
Artemis & Angel Co. Ltd.



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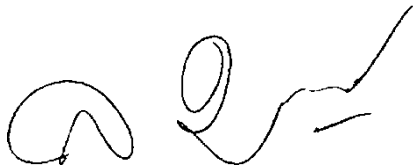
Certificate of Analysis of Pro-Plant

Product Name	:	PRO-PLANT
Origin	:	Thailand
Packaging	:	1-litre bottles
Description	:	Bio-liquid fertilizer
Physical Properties	:	Concentrated brown black liquid
Produced From	:	100% fish enzymes by MCP
Process By	:	MCP (Micro-biological Complexation Process)
Methods of Analysis	:	AOAC (Official Methods of Analysis of the Association of Official Analytical Chemists)
Contents	:	Major and minor elements. 100% organic, free of chemicals, toxins, and pathogens.

Components of Bio-Liquid Fertilizer Pro-Plant (Minimum amounts)

Nutrients	Amount
pH	: 4.9
N	: 4.4 %
P ₂ O ₅	: 0.5 %
K ₂ O	: 0.7 %
MgO	: 0.1 %
CaO	: 2.5 %
S	: 0.3 %
B	: 0.006 %
Cl	: 5.4 %
Mn	: 0.0002 %
Zn	: 34.8 ppm
Fe	: 181.2 ppm
Cu	: 2.2 ppm
Mo	: 2.4 ppm

My warmest regards,



Somkiet Panjanapongchai
President
Artemis & Angel Co. Ltd.



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Material Safety Data Sheet

Pro-Plant Microbial Liquid 100% Organic Foliar Spray

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Pro-Plant.

PRODUCT DESCRIPTION: Liquid, 100% organic foliar spray made from fermented fresh fish.

MANUFACTURER: Artemis & Angel Ltd., 99/296 Sukhumvit 24, Klongtan, Klongtoey,
Bangkok 10110, Thailand.

Tel.: +66-993377866 (English); +66-86-973-3813 (Thai & English)

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS APPROX. % BY WT: This cannot be calculated as this is a liquid foliar spray.

The whole foliar spray is the food for the plants. No water or filler are added to increase the weight.

COMPONENTS (Minimum Amounts):	N	:	4.4 %
	P ₂ O ₅	:	0.5 %
	K ₂ O	:	0.7 %
	MgO	:	0.1 %
	CaO	:	2.5 %
	S	:	0.3 %
	B	:	0.006 %
	Cl	:	5.4 %
	Mn	:	0.0002 %
	Zn	:	34.8 ppm.
	Fe	:	181.2 ppm.
	Cu	:	2.2 ppm.
	Mo	:	2.4 ppm.
	pH	:	4.9

3. HAZARDS IDENTIFICATION

PHYSICAL APPEARANCE: Dark brown liquid.

IMMEDIATE CONCERNS: There are no specific hazards known to be associated with this product, although precautions should be taken to avoid unnecessary contact with eyes and mouth. There are no chemicals in it.

4. FIRST AID MEASURES

EYES: Irrigate thoroughly with water for at least 10 minutes. If any discomfort persists, obtain medical attention.

SKIN: No need for concern or medical attention. Just wash skin with water and soap.

INGESTION: Wash out mouth with water. Obtain medical attention for stomach-pumping if drunk.

INHALATION: No concern.

5. FIRE FIGHTING MEASURES

GENERAL HAZARDS: No hazards.

EXTINGUISHING MEDIA: We do not know how you could set it alight as it does not contain any chemicals. It is just fermented fish. If you manage to set it alight, use either water spray, foam, dry chemical, or carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: No hazard. No need for any protective clothing. Flush down a drain or deposit on soil. There are no chemicals in it.

LARGE SPILL: No hazard. It can be disposed of on the nearest soil or down a drain. If it enters a waterway, there is no need for concern. The micro-organisms will help to clean the water.

7. HANDLING AND STORAGE

HANDLING: No protective clothing is needed. You can handle it with your bare hands with no negative effect. It can touch your hands or skin with no harmful effects.

STORAGE: Store in a cool or shaded, dry place in original container. You can leave the foliar spray exposed to the air without any concern.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYES AND FACE: No need for appropriate clothing and eye protection.

RESPIRATORY: No need for appropriate clothing and eye protection.

PROTECTIVE CLOTHING: No special clothing is needed.

WORK HYGIENIC PRACTICES: If it gets onto your hands or skin, wash your hands or skin in case your hands touch your eyes later on.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid, made from fresh fish

ODOR: Fish

APPEARANCE: Liquid

COLOR: Dark brown

PH: 4.9

BOILING POINT: About 100 degrees Celcius.

FREEZING POINT: About 0 degrees Celcius.

MELTING POINT: Not relevant

SOLUBILITY: Liquid

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

HAZARDOUS DECOMPOSITION PRODUCTS: None

11. TOXICOLOGICAL INFORMATION

TOXINS AND PATHOGENS: There are no toxins or pathogens.
CARCINOGENICITY: None.
IARC: None of the materials used in this product contain chemicals on the IARC list.
NTP: None of the materials used in this product contain chemicals on the NTP list as there are no chemicals in it.
GENERAL COMMENTS: The product has no carcinogenic properties or mutagenic or teratogenic effects. It is 100% bio-organic and chemical-free.

12. ECOLOGICAL INFORMATION

GENERAL COMMENTS: Pro-Plant is 100% organic, so you can pour it onto the soil and it will make the plants grow well. If it enters a waterway, it will not cause any harm, and the micro-organisms will merely clean the water. There is no concern for the environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Throw it onto soil so that the soil and plants benefit. There are no chemical residues. Indeed, it will enrich the soil.

14. TRANSPORTATION INFORMATION

SPECIAL SHIPPING NOTES: This product is not regulated under national or international transport regulations.

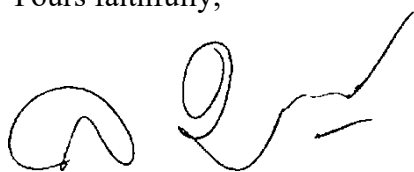
15. REGULATORY INFORMATION

GENERAL COMMENTS: This product is not regulated by any known government agency as hazardous.

16. OTHER INFORMATION

MANUFACTURE DISCLAIMER: The information supplied on this sheet is to the best of our knowledge accurate at the time of preparation. It does not relieve the user of this product of any responsibility to comply with local, national, or international laws relating to the handling or use of this product. The supplier does not accept responsibility for any claims resulting from the misuse of this product or failure to comply with the information stated within.

Yours faithfully,



Somkiet Panjanapongchai
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