

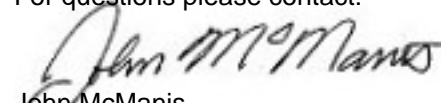
**BIOVANTE
CHRIS MASTERS
PO BOX 775
BERNIE MO 63822**
REPORT OF ANALYSIS
**For: (28139) BIOVANTE
PRODUCT ANALYSIS**

Analysis	Level Found	Units	Reporting	Method	Analyst- Date	Verified- Date
	As Received		Limit			
Sample ID: C24 Lab Number: 2369414						
Visual appearance	see MSDS		0	Visual	jlc8-2015/02/18	jlc8-2015/02/19
Reactivity with base	negative		0	SW-846, CH. 7.3 *	jlc8-2015/02/18	jlc8-2015/02/19
Reactivity with acid	negative		0	SW-846, CH. 7.3 *	jlc8-2015/02/18	jlc8-2015/02/19
Reactivity with water	negative		0	SW-846, CH. 7.3 *	jlc8-2015/02/18	jlc8-2015/02/19
Ignitability (open cup)	>212	°F	39	ASTM D 92 *	jlc8-2015/02/24	jlc8-2015/02/24
pH	7.5	S.U.	0.1	EPA 9045 *	rmm8-2015/02/17	cmw2-2015/02/18
Specific Gravity (25C)	1.066	g/mL @ 25°C	0.001	ASTM D 4052	arr3-2015/02/19	lma2-2015/02/20

This report was reissued on 2015-11-16 10:56:41 by adj2 for the following reason:
UPDATE SDS.

All results are reported on an AS RECEIVED basis.

For questions please contact:



John McManis
Account Manager
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The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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REPORT NUMBER

15-068-4144 v3

REPORT DATE
Nov 16, 2015

SEND TO
28139

RECEIVED DATE
Feb 16, 2015



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ISSUE DATE
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REPORT OF ANALYSIS

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PRODUCT ANALYSIS

Detailed Method Description(s)

Reactivity

Aliquots of samples have acid, base, and water added to them. Reaction is monitored to see if any reaction occurs.

Open Cup Ignitability

Sample is placed in a Cleveland Open Cup testing cup and heated at a prescribed rate and flame is applied at temperature intervals and point at which vapors ignite is the flash point.

pH in soils or solids

Sample analysis follows MWL EN 002 which is based on EPA 9045. A sample of soil is mixed with DI water and allowed to equilibrate. A calibrated pH meter and probe is used to measure the pH of the sample.

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SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier C24		[WHMIS Classification]	
Product Use SOIL / PLANT AMENDMENT			
Manufacturer's Name BIOVANTE		Supplier's Name BIOVANTE	
Street Address 601 S WALNUT STE B		Street Address 601 S WALNUT STE B	
City BERNIE		State MO	City BERNIE
Postal Code 63822		Manufacturer's Telephone 573-625-8500	Emergency Telephone 1-800-262-8200 (Chem Trec)
Date SDS Prepared 3/9/15		SDS Prepared By Midwest Laboratories, Inc.	Phone Number 402-334-7770

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
None known	N/A	N/A	N/A	N/A

SECTION 3 — HAZARDS IDENTIFICATION

Route of Entry	<input checked="" type="checkbox"/> Skin Contact	<input checked="" type="checkbox"/> Skin Absorption	<input checked="" type="checkbox"/> Eye Contact	<input type="checkbox"/> Inhalation	<input type="checkbox"/> Ingestion
Emergency Overview Material, when handled properly, should not require emergency precautions.					
WHMIS Symbols					
<p>Flammability</p> <p>Health</p> <p>Instability</p>					
Potential Health Effects Skin and/or eye irritations if individual is hypersensitive to carrier or active ingredient.					

SECTION 4 — FIRST AID MEASURES

Skin Contact Flush with water. Contact physician if irritation persists.
Eye Contact Flush with water. Contact physician if irritation persists.
Inhalation Remove to fresh air.
Ingestion N/A

SECTION 5 — FIRE FIGHTING MEASURES

Flammable	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If yes, under which conditions?	
Means of Extinction Material is not flammable.				
Flashpoint (° C) and Method > 100°C by ASTM D93		Upper Flammable Limit (% by volume) Not flammable		Lower Flammable Limit (% by volume) Not flammable
Autoignition Temperature (°C) Not flammable		Explosion Data — Sensitivity to Impact Not explosive		Explosion Data — Sensitivity to Static Discharge Not explosive
Hazardous Combustion Products No known hazardous combustion products.				
[NFPA] Not listed				

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures Absorb with a general absorbent such as sand, dirt, or kitty litter. Prevent materials from entering lakes, streams, or storm water.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment No special handling required.
Storage Requirements Store in a cool, dry place in a leak-proof container.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input type="checkbox"/> ACGIH TLV Not listed	<input type="checkbox"/> OSHA PEL	<input type="checkbox"/> Other (specify) NIOSH
Specific Engineering Controls (such as ventilation, enclosed process) No special engineering controls required.			
Personal Protective Equipment			
<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Respirator	<input checked="" type="checkbox"/> Eye	<input type="checkbox"/> Footwear
<input type="checkbox"/> Clothing	<input type="checkbox"/> Other		
If checked, please specify type General purpose gloves if handling in large quantities. Always wear protective eyewear.			

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid	Odor and Appearance Black liquid with no odor	Odor Threshold (ppm) Not tested
Specific Gravity 1.066 g/mL at 25°C	Vapor Density (air = 1) Not tested	Vapor Pressure (mmHg) Not tested
Evaporation Rate Not tested	Boiling Point (° C) 100°C	Freezing Point (° C) ≤ 0°C
pH 7.54 S.U.	Coefficient of Water/Oil Distribution Not tested	[Solubility in Water] Fully soluble

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong oxidizers.
Reactivity and under what conditions? Non-reactive to acid, base, and water.	
Hazardous Decomposition Products No known hazardous decomposition products.	

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure No specific conditions. If allergic, could exhibit symptoms of watery eyes and skin irritation.	
Effects of chronic exposure No known chronic effects.	
Irritancy of Product Mild irritant	
Skin sensitization Mild sensitizer	Respiratory sensitization Mild sensitizer
Carcinogenicity-IARC Not listed	Carcinogenicity - ACGIH Not listed
Reproductive toxicity Not listed	Teratogenicity Not listed
Embrototoxicity Not listed	Mutagenicity Not listed
Name of synergistic products/effects None known	

SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity] Material may increase organic load in streams or lakes.
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SECTION 13 — DISPOSAL CONSIDERATIONS

[Water Disposal] May be absorbed with a general absorbent such as sand, dirt, or kitty litter. Prevent materials from entering lakes, streams, or storm water. Follow all federal, state, and local regulations.
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SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information No special shipping requirements.	
	PIN
TDG Not listed	[DOT] Not listed
[IMO] Not listed	[ICAO] Not listed

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification] Not listed	[OSHA] Not listed
[SERA] Not listed	[TSCA] Not listed
<i>This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.</i>	

SECTION 16 — OTHER INFORMATION

This information hereby is furnished without warranty of any kind. Individual handling the product should only use this information as supplemental information to others gathered. The information used by the parties handling and using the product need to be aware of proper use and disposal of the material.