

MATERIAL SAFETY DATA SHEET- 16 Sections

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier PULSE		[WHMIS Classification] NONE	
Product Use AGRICULTURAL NUTRITIONAL BIOSTIMULANT			
Manufacturer's Name BIOVANTE		Supplier's Name BIOVANTE	
Street Address 601 SOUTH WALNUT SUITE B		Street Address 601 SOUTH WALNUT SUITE B	
City BERNIE Province MO		City BERNIE P M O	
Postal Code 63822 Emergency Telephone 800-262-8200		Postal Code 63822 Emergency Telephone 800-262-8200	
Date MSDS Prepared		IMSDS Prepared By	
		I Phone Number	

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LO ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
NO HAZARDOUS COMPONENTS				

SECTION 3 - HAZARDS IDENTIFICATION

Health Hazard: CJ Skin Contact CJ Skin Absorption IV^m Eye Contact CJ Inhalation ig Ingestion
Emergency Overv] FLUSH EYES WITH CLEAN WATER
HMIS Symbols] NONE
Potential Health Effects NONE KNOWN

SECTION 4 - FIRST AID MEASURES

Skin Contact	WASH WITH SOAP AND WATER
Eye Contact	FLUSH WITH CLEAN WATER
Inhalation	NIA
Ingestion	SEEK MEDICAL ATTENTION

SAMPLE FORMAT PROVIDED BY THE WORKERS' COMPENSATION BOARD OF BRITISH COLUMBIA

57M6 (6/99)

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SECTION 5 - FIRE FIGHTING MEASURES

Flammable Oves	19"	If yes, under which conditions?			
Means of Extinction	AS DICTATED BY SURROUNDING FIRE				
Flashpoint (° C) and Method	N/A	Upper Flammable Limit (% by volume)	N/A	Lower Flammable Limit(% by volume)	N/A
Autoignition Temperature (°C)	N/A	Explosion Data - Sensitivity to Impact	N/A	Explosion Data - Sensitivity to Static Discharge N/A	
Hazardous Combustion Products	NONE				
[NFPA]	NONE				

SECTION 6 -ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
ABSORB WITH DIRT OR OTHER ABSORBENT MATERIAL AND CONTAIN

SECTION 7 - HANDLING AND STORAGE

Handling Procedures and Equipment
USE GOOD INDUSTRIAL PRACTICES
Storage Requirements
MAINTAIN PACKAGE INTERGRITY

SECTION 8 - EXPOSURE CONTROL/ PERSONAL PROTECTION

Exposure Limits	<input checked="" type="checkbox"/> ACGIHTLV NONE	<input type="checkbox"/> OSHA PEL NONE	<input type="checkbox"/> Other (specify)
Specific Engineering Controls (such as ventilation, enclosed process)	NONE		
Personal Protective Equipment	<input type="checkbox"/> Gloves	<input checked="" type="checkbox"/> Respirator	<input type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other
If checked, please specify type	USE GOGGLES OR SAFETY GLASSES		

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State LIQUID	Odour and Appearance DARK	Odour Threshold (ppm) N/A
Specific Gravity 1.179/ml	Vapour Density (air= 1) >1.0	Vapour Pressure (mmHg) <0°C
Evaporation Rate NOT ESTABLISHED	Boiling Point (° C) >100°C	Freezing Point(° C) <0°C
Ph 6.8	Coefficient of Water/Oil Distribution NOT ESTABLISHED	[Solubility in Water] COMPLETE

SECTION 10-STABILITY AND REACTIVITY

Chemical Stability Does it decompose? No	If no, under which conditions?
Incompatibility with Other Substances If yes, which ones? ef No	

Reactivity, and under what conditions?

NONE

Hazardous Decomposition Products

NONE

SECTION 11-TOXICOLOGICAL INFORMATION

Effects of Acute Exposure

ION-KNOWN

Effects of chronic exposure

ION-KNOWN

Stability of Product

Skin sensitization NONE	Respiratory sensitization NONE
Carcinogenicity-IARC NONE	Carcinogenicity - ACGIH NONE
Reproductive toxicity NONE	Teratogenicity NONE
Acute toxicity NONE	Mutagenicity NONE

Name of synergistic products/effects

SECTION 12- ECOLOGICAL INFORMATION

[Aquatic Toxicity)

NON TOXIC TO AQUATIC LIFE

NON TOXIC TO BIRDS AND MAMMALS

SECTION 13- DISPOSAL CONSIDERATIONS

Waste Disposal

ABSORB WITH DIRT OR OTHER ABSORBENT MATERIAL. SPREAD LIGHTLY OVER FALLOW CROP LAND OR IN APPROVED LAND FILL

SECTION 14 -TRANSPORT INFORMATION

Special Shipping Information

NONE

PIN

NONE

100	NONE	[001]	NONE
[IMO]	NONE	[ICAO]	NONE

SECTION 15 - REGULATORY INFORMATION

[WHMIS Classification] **NONE**

[OSHA] **NONE**

[SERA] **NONE**

[TSCA] **NONE**

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.

SECTION 16 - OTHER INFORMATION

SPILLS ARE SLIPPERY