

SAFETY DATA SHEET — 16 Sections

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier EMPAC 7		[WHMIS Classification]	
Product Use FERTILIZER/PLANT FOOD			
Manufacturer's Name VERDEFLO LLC		Supplier's Name VERDEFLO LLC	
Street Address 7500 W LAKE MEAD BLD STE 9 127		Street Address 7500 W LAKE MEAD BLD STE 9 127	
City LAS VEGAS		State NV	
City LAS VEGAS		State NV	
Postal Code 89128	Manufacturer's Telephone 702-591-6838	Postal Code 89128	Emergency Telephone 1-800-262-8200 (Chem Trec)
Date SDS Prepared 6/5/15	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>)
Heavy Metals (Se, Pb, Ni, Mo, Co, Cd, As)	< 0.1%	Variable		

SECTION 3 — HAZARDS IDENTIFICATION

Route of Entry	<input checked="" type="checkbox"/> Skin Contact	<input type="checkbox"/> Skin Absorption	<input checked="" type="checkbox"/> Eye Contact	<input type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Ingestion
Emergency Overview Material may cause red, itchy skin, uticaria, and tenderness due to acidic nature.					
WHMIS Symbols					
<p>Flammability</p> <p>Health Instability</p>					
Potential Health Effects None known significant adverse health effects. May cause hypersensitive reactions in certain people after prolonged exposure.					

SECTION 4 — FIRST AID MEASURES

Skin Contact Flush with water. Remove contaminated clothing. Contact physician if irritation persists.
Eye Contact Flush with water for 15 minutes. Contact physician if irritation persists.
Inhalation N/A
Ingestion Give plenty of water. Do not induce vomiting. Contact physician if irritation persists.

SECTION 5 — FIRE FIGHTING MEASURES

Flammable	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If yes, under which conditions?	
Means of Extinction Material will not burn.				
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 None known.				
[NFPA] Not listed.				

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures Absorb with general absorbent such as kitty litter. Prevent entry of material into waters of the state or sanitary sewers. Absorbed material can be placed in a licensed landfill or land applied.
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SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment No special handling required.
Storage Requirements Store in a cool, dry place. Acidic nature may corrode metal storage containers.

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 Wear gloves if handling in large quantities or if person is hypersensitive to material. Always wear protective eyewear.			

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid	Odor and Appearance Black liquid with suspended solids and a chemical odor	Odor Threshold (ppm) Not tested
Specific Gravity 1.357 g/mL at 25°C	Vapor Density (air = 1) Not tested	Vapor Pressure (mmHg) Similar to water
Evaporation Rate Similar to water	Boiling Point (° C) Approximately 100°C	Freezing Point (° C) < 0°C
pH 0.64 S.U.	Coefficient of Water/Oil Distribution Not tested	[Solubility in Water] Liquid portion is 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 None known.		

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure Sensitive individuals may exhibit skin, eye, or respiratory irritation. Prolonged skin exposure can cause dryness. Low pH may cause 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] No known aquatic toxicity. Material may lower pH of water (acidify).

SECTION 13 — DISPOSAL CONSIDERATIONS

[Water Disposal] Must be disposed of in accordance with federal, state, and local environmental control regulations. Absorbed material may be placed in a licensed municipal landfill or land applied.
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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.