

SAFETY DATA SHEET — 16 Sections


SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier INNATE GROW 5-4-2		[WHMIS Classification] NOT LISTED	
Product Use LAND/SOIL AMENDMENT			
Manufacturer's Name IMPELLO BIOSCIENCES LLC		Supplier's Name IMPELLO BIOSCIENCES LLC	
Street Address 2601 S Lemay Ave STE 7 #402		Street Address 2601 S Lemay Ave STE 7 #402	
City Fort Collins	State CO	City Fort Collins	State CO
Postal Code 80525	Manufacturer's Telephone 720-772-9767	Postal Code 80525	Emergency Telephone 1-800-262-8200 (Chem Trec)
Date SDS Prepared 6/1/2020	SDS Prepared By Impello Biosciences LLC		Phone Number 720-772-9767

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>)
Phosphoric acid	Proprietary	7664-38-2	Rat oral 1530 mg/L	Rabbit 1.689 mg/L
Remainder have no other listed hazardous materials	N/A	N/A	N/A	N/A

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 checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Ingestion
Emergency Overview Material may cause red, itchy skin in sensitive individuals.
WHMIS Symbols <div style="display: flex; align-items: center; justify-content: center; gap: 20px;">  <div style="text-align: center;"> <p>Caution</p> </div> </div>
Potential Health Effects Allergic individuals may develop hypersensitive reaction including urticaria, itchy-watery eyes, and possibly difficulty breathing.

SECTION 4 — FIRST AID MEASURES

Skin Contact Flush with water. Contact physician if irritation persists.
Eye Contact Flush with water for 15 minutes. Contact physician if irritation persists.
Inhalation Remove to fresh air. Contact physician if irritation persists.
Ingestion Do NOT induce vomiting unless directed by medical personnel. Give plenty of water and get medical attention.

SAFETY DATA SHEET — 16 Sections

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 Possible oxides of carbon (CO/CO ₂).			
[NFPA] Not listed			

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures Prevent entry into waters of the state. Spills should be diked and absorbed with a general absorbent. Material can be placed in a licensed landfill. Absorbed material can be land applied if the absorbent is non-hazardous.
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SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment No special handling required.
Storage Requirements No special storage conditions required. Monitor effects of material is metal is used to transfer or storage of material. Acidic pH (3.5 S.U>) could be corrosive to some metals.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input checked="" type="checkbox"/> ACGIH TLV 1 mg/m ³ as phosphoric acid	<input checked="" type="checkbox"/> OSHA PEL 1 mg/m ³ as phosphoric acid	<input checked="" type="checkbox"/> Other (<i>specify</i>) NIOSH REL 1 mg/m ³
Specific Engineering Controls (<i>such as ventilation, enclosed process</i>) 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 bulk quantities. Always wear protective eyewear.			

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid	Odor and Appearance Brown liquid with strong fishy odor	Odor Threshold (ppm) Not tested
Specific Gravity 1.283 g/mL	Vapor Density (air = 1) Not tested	Vapor Pressure (mmHg) Not tested
Evaporation Rate Similar to water	Boiling Point (° C) 100°C	Freezing Point (° C) < 0°C
pH 3.5 S.U.	Coefficient of Water/Oil Distribution Will mix with water - lipophobic	[Solubility in Water] Fully miscible

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.			

SAFETY DATA SHEET — 16 Sections

Hazardous Decomposition Products

No known hazardous decomposition products.

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure

Sensitive individuals may exhibit skin irritation. Acidic nature may cause 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 increase the organic load of water. May decrease pH of water environments.

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.

SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information

No special shipping requirements. No special packaging requirements. Monitor corrosive effects on metal equipment.

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

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

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, handling, and disposal of the material.