



# SAFETY DATA SHEET



SECTION 1	IDENTIFICATION
Product Name:	Imperium B
Chemical Name/Product type	Liquid Mixture / NPK 11-4-7
Primary use	Fertilizer and soil amendment
Company Information: (Canadian Supplier Identifier)	<b>ViviGro Sustainable Solutions Ltd.</b> 610 - 3530 Millar Ave. Saskatoon, Sask. S7P 0B6 Office 306-986-5158 Toll Free 1-833-390-1019
Emergency Telephone:	Weekdays Monday- Friday 8am to 4:30pm 306-986-5158

SECTION 2: HAZARD IDENTIFICATION	
GHS Classification <sup>1</sup> :	Eye Irritant Category 2A, Acute toxicity (oral), Category 4
	Signal Word: Warning Hazard Statement(s): H319: May cause eye irritation. H302: Harmful if swallowed. H319: Causes serious eye irritation.
Label Elements:	GHS-US/CA Labeling Hazard Pictograms (GHS-US/CA)  
Prevention (Precautionary Statements):	No significant negative effects on health when used as directed P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P264 - Wash hands, forearms, and other exposed areas thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P280 - Wear protective gloves, protective clothing, and eye protection. P308+P313 - If exposed or concerned: Get medical advice/attention. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention P314 - Get medical advice/attention if you feel unwell. P405 - Store locked up. P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.
Other Hazards which do not require classification:	No known significant effects or critical hazards

SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS:			
Chemical Ingredients	Percentage by Weight	CAS No. (w.r.t. Source Material)	TLV (units) (w.r.t Source Material)
POTASSIUM PHOSPHITE	2.5-10%	Mixture	Not Listed
AMMONIUM POLYPHOSPHATE	≤2.5%	68333-79-9	Not Listed

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not be construed as guaranteeing any specific property of the product.*

# SAFETY DATA SHEET



--	--	--	--

<b>SECTION 4 : FIRST AID MEASURES</b>	
	Ingestion: Get medical attention immediately. Skin: Wash with soap and water Eyes: Flush with cool water Protection of first aiders: No action shall be taken involving personal risk or without proper training.

<b>SECTION 5 : FIRE FIGHTING MEASURES</b>	
Fire Hazard	The product is non-reactive under normal conditions of use, storage and transport. No specific fire or explosion hazard
Extinguishing Media:	Dry powder. Water spray. Foam. Carbon dioxide. Sand.
Unsuitable Extinguishing Media:	Not known
Protection of Firefighters:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Hazardous Combustible Products	Not known
Explosion data- sensitive to static discharge	Not Applicable

<b>SECTION 6 : ACCIDENTAL RELEASE MEASURES</b>	
Response Techniques:	<p><b>Personal precautions</b> Use personal protective equipment.</p> <p><b>Emergency procedures</b> There are no special emergency procedures for clean-up.</p> <p><b>Methods and materials for containment and cleaning up</b> In case of spill handle using nitrile gloves. Employ best-practice sanitation methods for clean-up. There are no special emergency procedures for clean-up.</p> <p><b>Environmental precautions</b> None</p>

<b>SECTION 7</b>	<b>HANDLING AND STORAGE</b>
------------------	-----------------------------

# SAFETY DATA SHEET



Precautions and Safe Handling:	Wear gloves and a particle mask when handling and transporting. Avoid extreme temperatures to retain product functionality. There are no known incompatibilities with this material. Ensure quality personal hygiene and wash hands before handling food or eating.
Conditions for safe Storage:	Keep container tightly closed in a dry and well-ventilated place. The container should be impervious to moisture.

SECTION 8	EXPOSURE CONTROLS / PERSONAL PROTECTION	
Engineering Controls:	Ensure adequate ventilation in work area through a general or localized exhaust system. Be careful not to create dust. Also prevent any ignition source in closer vicinity.	
Personal Protective Equipment (PPE):	Eye/Face:	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Eye Contact Lenses should be taken into account as possibility of absorption or adsorption of contaminants cannot be ignored.
	Skin:	Coveralls resistant to chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Wash contaminated clothing separately before reuse.
	Respiratory:	Not required if the product is used as recommended. Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if risk assessment indicates this is necessary.
	Hand	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
	Other:	A source of clean water should be available in the work area for flushing eyes and skin.
General Hygiene Considerations:	Wash thoroughly after handling of material.	

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES			
Appearance:	Black Liquid	Vapor Pressure (mm Hg):	Not Available
Odor:	Not Available	Vapor Density (air=1):	Not Available
Odor Threshold:	Not Available	Specific Gravity or Relative Density:	1.25 Kg/L
Physical state:	liquid	Bulk Density:	Not Available
pH:	<5	Solubility in Water:	Soluble in Water

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not be construed as guaranteeing any specific property of the product.*

# SAFETY DATA SHEET



Melting Point/ Freezing Point:	Not Available	Partition coefficient:	Not Available
Boiling Point:	Not Available	Auto-Ignition Temperature:	Not Available
Flash Point:	Not Available	Decompositi on Temperature :	Not Available
Evaporation Rate:	Not Available	Viscosity:	Not Available
Flammability:	Not Available	Volatility:	Not Available
Upper/lower Flammability or explosive limits	Not Available		

## SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Not Available
Chemical Stability:	Product is stable under normal temperatures and conditions
Conditions to Avoid:	Extreme temperatures.
Incompatible Materials:	Mixture components reactive to strong oxidizing agents
Hazardous Decomposition Products:	Nature of decomposition products not known.

## SECTION 11 : TOXICOLOGICAL INFORMATION

Substance:	Mixture		
Routes of Entry:	Skin, Eyes		
Acute Oral Toxicity:	Currently unknown		
Acute Inhalation Toxicity:	Currently unknown		
Acute Dermal Toxicity:	Currently unknown		
Mutagenesis:	No data available	Target Organ	No data available
Developmental Toxicity:	No data available	Carcinogenicity	
Reproductive Toxicity	No data available	Teratogenicity	No data available
Signs & Symptoms After Exposure			
Chronic Exposure	No data available but repeated exposure (inhaled respirable material) may cause damage		
Synergistic Effects	No data available		
Additional Information	None		

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not be construed as guaranteeing any specific property of the product.*

# SAFETY DATA SHEET



SECTION 12	ECOLOGICAL INFORMATION
Ecotoxicology:	There are no known ecological effects being its organic component is inherently bio-degradable and its non-persistent.
Toxicity to Fish	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Other adverse effects	No data available

SECTION 13	DISPOSAL CONSIDERATIONS
Disposal	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14	TRANSPORT INFO
Regulatory Status: Not Regulated (as all major components are under not dangerous goods category).	
Special Note: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.	
TDG (CA)	None known
IMDG	None known
ICAO/IATA	None known
DOT (US)	None known
UN Number:	None known
Proper Shipping Name:	None Assigned
Transport Hazard Class:	Non-Hazardous

SECTION 15	REGULATORY INFORMATION
------------	------------------------

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not be construed as guaranteeing any specific property of the product.*

# SAFETY DATA SHEET



Safety, health and environmental regulations, made within or outside Canada, that apply to the product in question	WHMIS 2015 This SDS has been prepared according to the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.
--	---

<b>SECTION 16</b>	<b>OTHER INFORMATION</b>
Disclaimer:	Although every effort is made to ensure the accuracy, currency, and completeness of the information, ViviGro does not guarantee, warrant, represent or undertake that the information provided is correct, accurate or current. ViviGro is not liable for any loss, claim, or demand arising directly or indirectly from any use or reliance upon the information.
Preparation:	2022-04-22
Revision Date:	

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not be construed as guaranteeing any specific property of the product.*