



SAFETY DATA SHEET



SECTION 1	IDENTIFICATION
Product Name:	Organic Pro 8-3-3
Chemical Name	Granular NPK : Mixture
Primary use	Fertilizer and soil amendment
Company Information: (Canadian Supplier Identifier)	ViviGro Sustainable Solutions Ltd. 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 ¹ :	Potential skin irritant and skin sensitizer (Category 1B); Category 1 Inhalation Hazard
	Signal Word: Warning H305: May be harmful if swallowed (mixture might sense like dirt and sandy texture) and enters airways H317: May cause an allergic skin reaction Warning H333: May be harmful if inhaled H335: May cause respiratory irritation
Label Elements:	GHS-US/CA Labeling Hazard Pictograms (GHS-US/CA)  
Prevention (Precautionary Statements):	P264: Wash skin thoroughly after handling P261: Avoid breathing dust P280: Use a particle mask and nitrile gloves under normal conditions
Other Hazards which do not require classification:	Heavy Fine Dust can be explosive, not under normal conditions. Repeated exposure may cause organ toxicity

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)
Total Nitrogen (N)	8%	Mixture	Not Listed
Available Phosphoric Acid (P2O5)	3%	Mixture	Not Listed
Soluble Potash (K2O)	3%	Mixture	Not Listed
Calcium (Ca)	5%	Mixture	Not Listed
Sulphur (S)	1 %	Mixture	Not Listed
Organic Matter	55%	Mixture	Not Listed

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SAFETY DATA SHEET



SECTION 4 : FIRST AID MEASURES	
Route of Exposure	Skin or eye contact, inhalation.
First Aid Measures:	Eyes: Rinse cautiously with water for several minutes. If irritation persists, seek medical Attention
	Skin: Wash contaminated area thoroughly with mild soap and water. If irritation develops and persists after washing, seek medical attention. Remove and launder contaminated clothing
	Inhaled: Remove person to fresh air and keep comfortable for breathing. If respiratory distress continues, seek medical attention. Artificial Respiration should be given by trained personnel only
	Ingestion: If gastrointestinal distress occurs, seek medical attention
Note to Physician:	Product is mixture of derived from animal and/or plant by-products, mined minerals and soil amendments. Special attention may require in case of immune sensitive individuals.

SECTION 5 : FIRE FIGHTING MEASURES	
Fire Hazard	The product is non-reactive under normal conditions of use, storage and transport. In the presence of excessive heat, some component is combustible in nature.
Extinguishing Media:	Water Sprays (but not jets) Foam Fog, Carbon Dioxide & Dry Chemical
Unsuitable Extinguishing Media:	Don't use water jets as it may disperse fine particles.
Protection of Firefighters:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Hazardous Combustible Products	May release Carbon Mono-oxide and Carbon Dioxide.
Explosion data- sensitive to static discharge	Not Applicable

SECTION 6 : ACCIDENTAL RELEASE MEASURES	
Response Techniques:	<p>Personal precautions Use personal protective equipment. Avoid dust formation. Stay upwind and away from spill (dust hazard). Avoid breathing dust.</p> <p>Emergency procedures There are no special emergency procedures for clean-up.</p> <p>Methods and materials for containment and cleaning up In case of spill handle using nitrile gloves and wear a particle mask. Employ best-practice sanitation methods for clean-up. Utilize a vacuum or sweep the product with a broom and dispose in a garbage receptacle. There are no special emergency procedures for clean-up.</p> <p>Environmental precautions Do not let product enter drains.</p>

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SAFETY DATA SHEET



SECTION 7	HANDLING AND STORAGE
Precautions and Safe Handling:	Wear gloves and a particle mask when handling and transporting. Avoid excessive humidity, contact with moisture, and 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. Ensure product does not lay in water or be exposed to rainfall. Wet conditions will cause deterioration of the product and likely make it inadequate for intended use.

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:	Face shield or shield safety glasses or chemical goggles to protect from dust irritation. 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:	Normally not required unless inhalation of large amount. If vapors of mixture are too strong pre-approved NIOSH respirators should be used for organic vapor with dust, mist and fume filters.
	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.	
Exposure Guidelines:	Occupational Exposure Limit (OEL) for Particulates (PNOC**)- OSHA PEL 8 hr TWA	15 mg/m ³ TWA (total dust).

**Particulates Otherwise Not Classified (PNOC)

SAFETY DATA SHEET



SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES			
Appearance:	Brown to gray granules	Vapor Pressure (mm Hg):	Not Available
Odor:	Mild earthy odor	Vapor Density (air=1):	Not Available
Odor Threshold:	Not Available	Specific Gravity or Relative Density:	Not Available
Physical state:	Solid	Bulk Density:	736.8 kg/ m3 (46 Lb/ ft3)
pH:	Not Available	Solubility in Water:	Not Available
Melting Point/ Freezing Point:	Not Available	Partition coefficient:	Not Available
Boiling Point:	Not Available	Auto-Ignition Temperature:	Not Available
Flash Point:	Not Available	Decomposition 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:	No specific test data is currently available however one of the component might react with aluminum and magnesium.
Chemical Stability:	Product is stable under normal temperatures and conditions
Conditions to Avoid:	Extreme temperatures and excessive moisture (damp and wet conditions).
Incompatible Materials:	Strong Acids and Oxidizing Materials
Hazardous Decomposition Products:	Organic mixture component decomposition may produce Carbon monoxide and Carbon dioxide. Oxides of Sulfur.

SECTION 11 : TOXICOLOGICAL INFORMATION			
Substance:	Mixture		
Routes of Entry:	Skin, Eyes and Inhalation.		
Acute Oral Toxicity:	Currently unknown		
Acute Inhalation Toxicity:	Currently unknown		
Acute Dermal Toxicity:	Currently unknown		
Mutagenesis:	No data available	Target Organ	No data available

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SAFETY DATA SHEET



Developmental Toxicity:	No data available	Carcinogenicity	No component of this product present at levels $\geq 0.1\%$. however repeated inhalation could be dangerous.
Reproductive Toxicity	No data available	Teratogenicity	No data available
Signs & Symptoms After Exposure	Skin sensitization in few cases expected, however, unless swallowed or inhaled in excessive amount, respiratory distress will not be present. All the major components of mixture are non-dangerous goods.		
Chronic Exposure	No data available but repeated exposure (inhaled respirable material) may cause damage		
Synergistic Effects	No data available		
Additional Information	None		

SECTION 12	ECOLOGICAL INFORMATION
Ecotoxicology:	There are no known ecological effects being its organic component is inherently biodegradable and its non-persistent.
Toxicity to Fish	No data available regarding bioaccumulation
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

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SAFETY DATA SHEET



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
Safety, health and environmental regulations, made within or outside Canada, that apply to the product in question	<p>WHMIS 2015</p> <p>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.</p>

SECTION 16	OTHER INFORMATION
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:	2021-12-27
Revision Date:	

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