

SECTION 1 – IDENTIFICATION

Product Identifier

Product form:	Mixture
Product name:	BioLiNE® Unleash™
Product code:	N/A

Relevant identified uses of the substance or mixture and uses advised against

Recommended use of chemical:	Agriculture – Inoculant Suitable for use as soil amendment
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Details of the supplier of the safety data sheet

Manufacturer:	CanGrow Crop Solutions
Address:	PO Box 429, 3971 Old Walnut Road, Alvinston Ontario Canada, N0N 1A0
Phone:	(800) 353-3086 or (519) 847-5748
Fax:	(519) 847-5878
Emergency number:	(613) 996-6666 Canutec (Call Collect)

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not Applicable

Label elements

Hazard pictograms:	Not Applicable
GHS Signal Word:	Not Applicable
GHS Hazard Statement:	Not Applicable
GHS Precaution Statement:	Not Applicable

Other hazards

No additional information available.

SECTION 3: COMPOSITION/INFORMATION INGREDIENTS

Substances

Not applicable

Mixture

Mixture does not contain any hazardous ingredients.

SECTION 4 – FIRST AID MEASURES

Description of First Aid Measures

General:	If medical advice is needed, have product container or label at hand.
Inhalation:	Non-toxic. No known significant effect or critical hazard. Get medical attention if symptoms occur. If any ill effects are felt, remove person to fresh air and keep at rest and in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists or are severe.
Skin:	Non-toxic. No known effects after skin contact. Wash affected area with plenty of water (at least 15 minutes). Obtain medical attention if irritation develops or persists. Wash contaminated clothing before reuse.
Eyes:	Immediately flush with water for a prolonged period (at least 15 minutes) while holding eyelids open. Check and remove contact lens. Obtain medical attention if irritation develops or persists.
Ingestion:	If swallowed, rinse mouth with water. Do not induce vomiting. Drink plenty of water. Seek medical attention if a large amount is swallowed. Get medical advice and attention if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms/ injuries	May cause irritation to eyes and skin.
Symptoms/ injuries after inhalation	None expected under normal conditions of use.
Symptoms/ injures after skin contact	Contact may cause skin irritation.
Symptoms/ injures after eye contact	Contact may causes eye irritation.
Symptoms/ injures after ingestion	May cause nausea and diarrhea in some individuals.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing media:	Not flammable. Use extinguishing media appropriate for surrounding fire.
Unsuitable Extinguishing media:	None known.

Special hazards arising from the substance or mixture

Fire hazard:	Product is not flammable.
Explosion hazard:	Product is not explosive.

Advice for firefighters

Fire fighting instructions:	Keep upwind. Use water spray or fog for cooling exposed containers. Cool non-leaking, fire-exposed containers with water spray.
Protection during firefighting:	Firefighters must use full bunker gear including NIOSH/OSHA approved self-containing breathing apparatus and protective clothing.
Other information:	None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General measures

Handle in accordance with good industrial hygiene and safety practice.

For non-emergency and emergency personnel

Protective equipment:	Wear suitable protective clothing, gloves and eye/face protection.
Emergency procedures:	Stop leak if safe to do so. Evacuate unnecessary personnel. Contain any spills with dikes or absorbents to prevent migration into sewers or streams. Ventilate area.

Environmental precautions

No environmental hazards are associated with this product.

Methods and materials for containment and cleaning up

For containment:	Contain large spills with dikes and try to prevent migration and entry into drains or waterways.
Methods for cleaning up:	Clean up any spills using a suitable adsorbent such as sand, sawdust, inert materials. Place adsorbent in suitable, labelled container for disposal.

SECTION 7 – HANDLING & STORAGE

Precautions for safe handling

Precautions for safe handling:	Wear appropriate personal protective equipment (see section 8). Avoid all eyes and skin contact. Ensure there is adequate ventilation when handling.
Hygiene measures:	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking, and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

Conditions for safe storage, including any incompatibilities

Storage conditions:	Store tightly closed in a dry, cool and well ventilated area in original container. Keep container closed when not in use. Protect from physical damage.
Incompatible materials:	None Known.
Prohibitions on mixed storage:	None known.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No exposure limit values known.

Exposure controls

Appropriate engineering controls:	Ensure adequate ventilation, especially in confined areas.
Hand protection:	Wear protective gloves.
Eye protection:	Wear chemical safety goggles or safety glasses with side shields.
Skin and body protection:	Wear suitable protective clothing.
Respiratory protection:	Respiratory protection not normally required.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Appearance:	Clear
Colour:	Light Brown
Odour:	Creamed Corn
Odour threshold:	No data available
pH:	5.5 - 6
Melting point:	No data available
Freezing point:	No data available
Boiling point:	212°F / 100°C
Flash point:	Not applicable
Evaporation rate:	No data available
Flammability (solid, gas)	Non-flammable substance. Non-combustible.
Lower flammability limit:	Not applicable
Upper flammability limit:	Not applicable
Vapour pressure (mmHg):	No data available
Vapour density:	No data available
Relative density:	1.001 g/ml
Solubility:	Easily dispersible in water
Partition coefficient: N-Octanol/Water:	No data available
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No data available
Viscosity:	No data available

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	Non-reactive at ambient temperature and under normal conditions of storage and use.
Chemical Stability:	Stable under normal conditions of storage and use.
Possibility of Hazardous Reactions:	Hazardous reactions will not occur.
Conditions to Avoid:	None known.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	None known under normal conditions of storage and use.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity: This product has not been tested for acute toxicity. No reports of toxicity in over 25 years of use. The microbial components are non-pathogenic for animals and plants.

Skin Contact:	May cause mild skin irritation in some individuals.
Eye Contact:	May cause irritation.
Inhalation:	No known adverse effect.
Ingestion:	May cause irritation, nausea and diarrhea in some individuals.
Germ cell mutagenicity:	No known effect. Product has not been tested. An assessment of components and similar products found no mutagenic effect.
Carcinogenicity:	No known effect. Product has not been tested. None of the components of the product are listed as carcinogenic by NTP, IARC or OSHA.
Specific target organ toxicity (single exposure):	No known effect. Product has not been tested. An assessment of components and similar products found no STOT effect.
Specific target organ toxicity (repeated exposure):	No known effect. Product has not been tested. An assessment of components and similar products found no STOT effect.
Reproductive toxicity:	No known effect. Product has not been tested. An assessment of components and similar products found no reproductive effect.
Aspiration hazard:	No known effect. Product has not been tested. An assessment of components and similar products found no evidence of aspiration potential.
Chronic symptoms:	No known effect. Product has not been tested. An assessment of components and similar products found no evidence of chronic effects.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity

Conclusion/ summary: No Data Available. Product is not expected to have any toxic effect.

Persistence and degradability

Conclusion/ summary: No Data Available.

Bioaccumulative potential

Conclusion/ summary: Data not available.

Mobility in soil

Conclusion/ summary: Data not available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste treatment methods

This product does not meet criteria of hazardous waste. Dispose content and containers in accordance with all local, regional, and national regulations.

SECTION 14 – TRANSPORT INFORMATION

Not controlled or regulated under DOT/TDG; ADR/RID; IMDG; or ICAO/IATA

UN number

Not applicable

UN proper shipping name

Not applicable

Packing Group

Not Applicable

Environmental Hazards

Not Applicable

Additional Information

Non-hazardous.

SECTION 15 – REGULATORY INFORMATION

Canadian regulation

Canadian NPRI:	None of the components are listed.
CEPA Toxic Substances:	None of the components are listed.
Canadian DSL Inventory:	All components of this product are listed or exempt.

U.S. Federal Regulations

All components of this product are listed on the TSCA inventory or exempt.

SECTION 16 – OTHER INFORMATION

History

Date of printing:	2021/11/10
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General comment

This document contains health, safety, and environmental information useful to emergency response agencies, health care providers, manufacturers, and workers/employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label.

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