

Safety Data Sheet
PRO-MIX Roots Liquid Root Stimulator with Fungicide



1. Identification

Product identifier	PRO-MIX Roots Liquid Root Stimulator with Fungicide
Product code	4946370
Registration number	REG. NO. 34364 P.C.P. ACT. REG. NO. 2022082P FERTILIZERS ACT
Other means of identification	
Recommended use of the chemical and restrictions on use	Root Stimulator.
Manufacturer	Premier Tech Home & Garden Inc 1, avenue Premier Rivière-du-Loup (Quebec) G5R 6C1 CANADA Tel. (418) 863-7878 www.pthomeandgarden.com
Emergency phone number	1-800-268-2806

2. Hazard identification

Summary	This product is not regulated according to the Canadian Hazardous Products Act (HPA) and Hazardous Products Regulations (HPR) SOR/2015-17 (or WHMIS 2015). KEEP OUT OF REACH OF CHILDREN. Do not ingest. If medical advice is needed, have this SDS or label at hand. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.
WHMIS 2015/GHS/OSHA HCS 2012	
Not Regulated under WHMIS 2015/GHS	
P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P103: Read label before use.	

3. Composition/information on ingredients

Common name	CAS	Weight % content
1H-Indole-3-butanoic acid	133-32-4	0.4 %
Calcium propionate	4075-81-4	0.2 %
Bronopol	52-51-7	0.02 %
Etridiazole	2593-15-9	0.01 %

4. First-aid measures

Inhalation	Move person to fresh air. If a problem develops or persists, seek medical attention.
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Skin contact	Wash skin with warm water and mild soap. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention.
Eye contact	Flush with water for at least 15 minutes. Remove contact lenses if easy to do. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.
Ingestion	DO NOT induce vomiting, unless recommended by medical personnel. If victim is conscious wash out mouth with water and give 1-2 glasses of water to drink. Never give anything by mouth if victim is unconscious or convulsing. Seek medical attention or contact a Poison Centre immediately.
Other	No additional information.
Symptoms	Direct contact with eyes may cause temporary irritation.
Notes to the physician	Apply a symptomatic and supportive treatment.

5. Fire-fighting measures

Suitable extinguishing media	Use an extinguishing agent appropriate for the surrounding fire.
Specific hazards arising from the chemical	No additional information.
Special protective equipment	Firefighters must wear self contained breathing apparatus with full face mask.
Special protective actions for fire-fighters	No additional information.

6. Accidental release measures


Personal precautions, protective equipment and emergency procedures	Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
Environmental precautions	Prevent product from entering drains and release to the environment.
Methods and materials for containment and cleaning up	Ventilate the area well. Sweep and/or shovel the residue and place in a suitable container.

7. Handling and storage

Precautions for safe handling	Use in well ventilated area. Avoid contact with eyes. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. After use, wash hands with soap and water.
Conditions for safe storage, including any incompatibilities	Store tightly closed and in properly labelled containers in a cool, dry and well ventilated place. Keep away from food and drink. Keep away from direct sunlight and heat. Keep away from freezing.
Storage temperature	4 to 40°C (39.2 to 104°F)

8. Exposure controls/personal protection

Immediately Dangerous to Life or Health	No IDLH value is reported.		
Bronopol	TWA (8h)	0.05 ppm	ACGIH

Appropriate engineering controls	There is no control parameter set for this product.
Individual protection measures	
Eye	In the workplace, wear safety glasses with side shields.
Hands	Wear cotton, leather, or gardening gloves.
Skin	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code.
Respiratory	Respiratory protection is not required for normal use.
Feet	Not required in normal use.
	
Safety glasses	

9. Physical and chemical properties

Physical state	Solid (Gel)	Flammability	Non-flammable
Colour	Clear greenish blue	Flammability limits	N/Av.
Odour	N/Av.	Flash point	N/Av.
Odour threshold	N/Av.	Auto-ignition temperature	N/Av.
pH	6.5 to 7	Sensibility to electrostatic charges	N/Av.
Melting point	0°C (32°F)	Sensibility to sparks and/or friction	No
Freezing point	0°C (32°F)	Vapour density	N/Av. (Air = 1)
Boiling point	N/Av.	Relative density	1.004 to 1.007 kg/L (Water = 1)
Solubility	Partially soluble in water.	Partition coefficient n-octanol/water	N/Av.
Evaporation rate	N/Av.	Decomposition temperature	N/Av.
Vapour pressure	N/Av.	Viscosity	N/Av.
Percent Wt. Volatile	N/Av.	Molecular mass	N/Av.
VOC (g/L)	N/Av.	% Volume Volatile (VOC)	N/Av.
VOC (lb/gal)	N/Av.	% Wt. Volatile (VOC)	N/Av.
N/Av.: Not Available N/Av.: Not Applicable Und.: Undetermined N/E: Not Established			

10. Stability and reactivity

Reactivity	No reactivity expected.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions (including polymerizations)	A dangerous reaction will not occur.
Conditions to avoid	Protect from freezing.
Incompatible materials	None reported.
Hazardous decomposition products	No decomposition product.

11. Toxicological information


Numerical measures of toxicity	Mixture	Ingestion	>2000 mg/kg	Rat	LD50
		Inhalation	>5 mg/l/4h	Rat	LC50
		Skin	>2000 mg/kg	Rat	LD50
	1H-Indole-3-butanoic acid	Ingestion	100 mg/kg	Mouse	LD50
	Calcium propionate	Ingestion	3455 mg/kg	Rat	LD50
		Inhalation	>5.6 mg/l/4h	Rat	LC50
	Bronopol	Ingestion	>180 mg/kg	Rat	
			250 mg/kg	Dog	
		Inhalation	>5 mg/l/4h	Rat	
		Skin	1600 mg/kg	Rabbit	
Etridiazole	Ingestion	945 mg/kg	Rat	LD50	
	Inhalation	>2.06 mg/l/4h	Rat	LC50	
	Skin	>5000 mg/kg	Rabbit	LD50	
Likely routes of exposure	Skin, eyes, inhalation.				
Delayed, immediate and chronic effects	Eye contact	Direct contact with eyes may cause temporary irritation. Eye Irritation/Corrosion, Rabbit (OECD TG 405): tests performed with each ingredient (>1%) of this mixture are not irritating.			
	Skin contact	Prolonged and repeated contact may cause redness and slight irritation of the skin. Skin Irritation/Corrosion, Rabbit (OECD 404) : tests performed with each ingredient (>1%) of this mixture are not irritating.			
	Inhalation	No negative effects expected.			
	Ingestion	May cause gastrointestinal irritation with nausea and vomiting.			
	Respiratory or skin sensitization	Ingredients present at levels greater than or equal to 0.1% of this product are not skin or respiratory sensitizers.			
	IARC/NTP Classification	No ingredients listed.			
	Carcinogenicity	Ingredients present at levels greater than or equal to 0.1% of this product are not listed as a carcinogen by IARC, ACGIH, NIOSH, NTP or OSHA.			
	Mutagenicity	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.			
	Reproductive toxicity	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause reproduction effects.			
	Specific target organ toxicity - single exposure	No target organ is listed.			
Specific target organ toxicity - repeated exposure	No target organ is listed.				
Interactive effects	No information available.				
Other information	No additional information.				

12. Ecological information

Ecological toxicity	Mixture LC50 N.A.
Persistence	No information available.
Degradability	No information available.

Bioaccumulative potential	No information available.
Mobility in soil	No information available.
Other adverse effects	This chemical does not deplete the ozone layer.

13. Disposal considerations

	Container Important! Prevent waste generation. Use in full. DO NOT throw residual to sewer. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.
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14. Transport information

UN Number	UN N/A
UN Proper Shipping Name	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
Environmental hazards	This material does not contain marine pollutant.
Special precautions for user	No information available.
TDG - Transportation of Dangerous Goods (Canada & US DOT)	
Transport hazard class(es)	Not regulated
Packing group	Not regulated
2020 Emergency Response Guidebook	
IMO/IMDG - International Maritime Transport	
Classification	Not regulated
IATA - International Air Transport Association	
Classification	Not regulated
These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.	

15. Regulatory information

<p>PEST CONTROL PRODUCT</p> <p>There are Canada-specific environmental requirements for handling, use and disposal of this pest control product that are indicated on the product label.</p> <p>RHazardous Products Regulations Information:</p> <p>This product has been classified in accordance with the amended Hazardous Products Act (HPA) and the Hazard Criteria of the Hazardous Products Regulations (HPR), and the SDS contains all the information required by the HPR.</p> <p>Hazardous Products Act Information:</p> <p>Pest control products, as defined in subsection 2(1) of the Pest Control Products Act (PCPA), are excluded from the application of the Hazardous Products Act (that is, pest control products are exempt from the supplier labelling and SDS requirements of the Hazardous Products Act and Regulations). This product has been voluntarily classified according to the WHMIS 2015 standard.</p> <p>Pest Control Products Act Registration Number: 34364</p>
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Read the label, authorized under the Pest Control Products Act, prior to using or handling the pest control product.

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act (PCPA). These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. Following is the hazard information required on the pest control products label:

PCPA Label Hazard Communications:

READ THE LABEL BEFORE USING.
KEEP OUT OF REACH OF CHILDREN.

Difference between SDS and pesticide label

PCPA Label		WHMIS 2015/SGH SDS	
Symbol(s)		Pictogram(s)	Not Regulated under WHMIS 2015/GHS
Caution word	Not Applicable.	Signal Word	
Hazard Statement	Not applicable.	Hazard Statement	GHS--- : Not Regulated under WHMIS 2015/GHS

CANADA

Common name	CAS	CEPA	DSL	NDSL	NPRI
1H-Indole-3-butanoic acid	133-32-4		X		
Calcium propionate	4075-81-4		X		
Bronopol	52-51-7		X		
Etridiazole	2593-15-9				

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act
- DSL: Domestic Substances List Inventory
- NDSL: Non-Domestic Substances List Inventory
- NPRI: National Pollutant Release Inventory Substances

UNITED STATE OF AMERICA

Common name	CAS	TSCA	CER CLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
1H-Indole-3-butanoic acid	133-32-4	X								

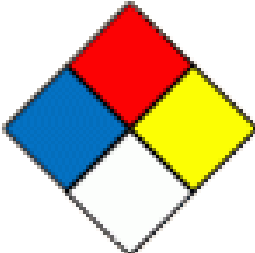
Calcium propionate	4075-81-4	X								
Bronopol	52-51-7									
Etridiazole	2593-15-9	X								

- TSCA: Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act - List of Hazardous Substances
- CWA Priority: Clean Water Act - Priority Pollutant list

California Proposition 65


Common name	CAS	Cancer	Reproductive and Developmental Toxicity
Etridiazole	2593-15-9	X	

Other regulations

HMIS	NFPA
<input type="radio"/> Health <input type="radio"/> Flamability <input type="radio"/> Reactivity <input type="radio"/> Protective Equipment	

16. Other information

Date (YYYY-MM-DD)	Premier Tech Home & Garden Inc 2021-11-30
Version	01
Other information	<p>REFERENCES:</p> <ul style="list-style-type: none"> - The National Center for Biotechnology Information, National Institutes of Health (NIH), U.S. National Library of Medicine, https://pubchem.ncbi.nlm.nih.gov - SAgE Pesticides, CRAAQ, Effets toxiques des matières actives, https://www.sagepesticides.qc.ca/Recherche/RechercheMatiere - Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), https://www.cnesst.gouv.qc.ca/fr - Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, https://haz-map.com/ <p>ACGIH: American Conference of Governmental Industrial Hygienists AIHA: American Industrial Hygiene Association HMIS: Hazardous Materials Identification System NFPA: National Fire Protection Association OSHA: Occupational Safety and Health Administration (USA) NIOSH: National Institute for Occupational Safety and Health</p>

	<p>NTP: National Toxicology Program RSST: Règlement sur la santé et la sécurité du travail (Québec) GHS: Globally Harmonized System IARC: International Agency for Research on Cancer IDLH: Immediately Dangerous to Life or Health STEL: Short Term Exposure Limit (15 min) TWA: Time Weighted Averages WHMIS: Workplace Hazardous Materials Information System</p>
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