

Safety Data Sheet
PRO-MIX® ORGANIC-
based Bone Meal
BloomBoost™ 4-10-0



1. Identification	
Product identifier	PRO-MIX® ORGANIC-based Bone Meal BloomBoost™ 4-10-0
Product code	4946520
Other means of identification	
Recommended use of the chemical and restrictions on use	Plant Food
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	Avoid contact with eyes. Do not breathe dusts. 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



Respiratory sensitizer (Category 1)
 Skin sensitizer (Category 1)
 Carcinogenicity (Category 1)

DANGER

- H350: May cause lung cancer by inhalation of dust
- H373: May cause damage to respiratory system through prolonged or repeated exposure
- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P260: Do not breathe dust.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P280: Wear protective gloves, protective clothing and eye protection.
- P284: In case of inadequate ventilation, wear respiratory protection.
- P308+P313: IF exposed or concerned: Get medical attention.
- P302+P352: IF ON SKIN: Wash with plenty of water and soap.
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
- P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
- P362+P364: Take off contaminated clothing and wash it before reuse.

P405: Store locked up.
P501: Dispose of contents to an approved waste disposal plant.

3. Composition/information on ingredients

Common name	CAS	Weight % content
Crystalline silica, Quartz	14808-60-7	0.1 - 1 %

Note: The manufacturer withholds the actual concentration range of the ingredients as a trade secret. Components not listed are not hazardous or are below reportable limits.

4. First-aid measures

Inhalation	Move person to fresh air. If a problem develops or persists, seek medical attention.
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. Lift eyelids 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. If a problem develops or persists, seek medical attention.
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 hazard listed.
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	No immediate danger to the environment.
Methods and materials for containment and cleaning up	Ventilate the area well. Scrape and shovel the residue and place in a suitable container. Finish cleaning the contaminated surface by rinsing with water.

7. Handling and storage

Precautions for safe handling	Use in well ventilated area. Avoid contact with eyes. Do not breathe dusts. 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. Wash thoroughly after handling.
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Conditions for safe storage, including any incompatibilities	Store tightly closed and in properly labelled containers in a cool, dry and well-ventilated place. Store away from incompatible materials (see section 10). Keep away from food and drink. Keep away from moisture.
Storage temperature	<50°C (122°F)

8. Exposure controls/personal protection

Immediately Dangerous to Life or Health	Crystalline silica, quartz: 50 mg/m ³ .			
Crystalline silica, Quartz	TWA (8h)	Respirable Dust	0.025 mg/m ³	ACGIH , BC
		Respirable Dust	0.05 mg/m ³	RSST
		Respirable Dust	0.1 mg/m ³	ON
Appropriate engineering controls	Provide sufficient mechanical ventilation (general and/or local exhaust) to keep the airborne concentrations of dust below their respective occupational exposure limits.			
Individual protection measures				
Eye	In the workplace, wear safety glasses with side shields. However, goggles are recommended if the product is used in such a way as to generate high dust levels.			
Hands	In case of prolonged contact wear neoprene or nitrile 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. If necessary, wear an apron or long-sleeve protective coverall suit.			
Respiratory	Respiratory protection is not required for normal use. Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA. In case of insufficient ventilation or in enclosed area wear half mask respirator or a full-face respirator mask with organic vapors cartridges and P100 filters.			
Feet	Not required in normal use.			
				
Safety glasses				

9. Physical and chemical properties

Physical state	Granular solid	Flammability	Non-flammable
Colour	Brown	Flammability limits	N/Ap.
Odour	Earthy	Flash point	N/Ap.
Odour threshold	N/Ap.	Auto-ignition temperature	N/Ap.
pH	Und.	Sensibility to electrostatic charges	N/Ap.
Melting point	N/Ap.	Sensibility to sparks and/or friction	N/Ap.
Freezing point	N/Ap.	Vapour density	N/Ap. (Air = 1)

Boiling point	N/Ap.	Relative density	N/Ap. (Water = 1)
Solubility	N/Ap.	Partition coefficient n-octanol/water	N/Ap.
Evaporation rate	N/Ap.	Decomposition temperature	N/Ap.
Vapour pressure	N/Ap.	Viscosity	N/Ap.
Percent Wt. Volatile	N/Ap.	Molecular mass	N/Ap.
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/Ap.: 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	Keep away from moisture. Avoid contact with incompatible materials.
Incompatible materials	Strong oxidants, strong acids, alkalis, hypochlorites.
Hazardous decomposition products	No decomposition product.

11. Toxicological information

Numerical measures of toxicity	Crystalline silica, Quartz Ingestion 15000 mg/kg Human 			
	500 mg/kg	Rat	LD50	
Likely routes of exposure	Skin, eyes, inhalation.			
Delayed, immediate and chronic effects	Eye contact	Direct contact with eyes may cause temporary irritation.		
	Skin contact	Repeated or prolonged contact may cause skin dryness and irritation.		
	Inhalation	Dusts may irritate throat and respiratory system and cause coughing. May cause an allergic respiratory reaction with symptoms similar to asthma such as wheezing and chest tightness.		
	Ingestion	No negative effects expected in small quantity. May cause gastric disturbance.		
	Respiratory or skin sensitization	May cause an allergic reaction of the skin and respiratory tract.		
	IARC/NTP Classification	Common name	IARC NTP	
		Crystalline silica, Quartz	1 K	
	Carcinogenicity	IARC : 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic. NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens. Crystalline silica (CAS no 14808-60-7) can cause lungs cancer only as alveolar size dust (airborne particles of respirable size). The risk of cancer depends on duration and level of exposure.		
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 Respiratory system.
Interactive effects	No information available.
Other information	No additional information.

12. Ecological information

Ecological toxicity	Fish LC50 N.Av.
Persistence	Inorganic compounds persist in the environment indefinitely or incorporate into biological systems.
Degradability	The term biodegradability, as such, is not applicable to inorganic compounds.
Bioaccumulative potential	No potential to bioaccumulate.
Mobility in soil	The product is a mixture of which some ingredients have a high mobility in the soil, while other ingredients have a moderate mobility in the soil.
Other adverse effects	This chemical does not deplete the ozone layer.

13. Disposal considerations

Container	Important! Prevent waste generation. Use in full. Empty containers can be treated (recycled) where there is a recovery program. 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	N/A
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

CANADA

Common name	CAS	CEPA	DSL	NDSL	NPRI
Crystalline silica, Quartz	14808-60-7		X		

- 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

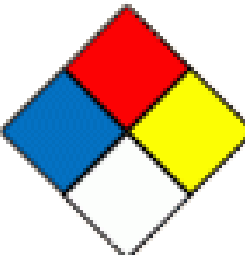
Common name	CAS	TSCA	CER CLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
Crystalline silica, Quartz	14808- 60-7	X								

- 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
Crystalline silica, Quartz	14808-60-7	X	

Other regulations - California Proposition 65:
Crystalline silica, quartz (airborne particles of respirable size).

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 2025-10-29
Version	01

<p>Other information</p>	<p>REFERENCES:</p> <ul style="list-style-type: none"> - 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/en - Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, https://haz-map.com/ - The National Center for Biotechnology Information, National Institutes of Health (NIH), U.S. National Library of Medicine, https://pubchem.ncbi.nlm.nih.gov <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 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>
<p>Powered by</p>  <p>A global vision of prevention</p>	<p>To the best of our knowledge, the information contained herein is accurate. However, neither Preventis System, nor the above named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.</p>