

Material Safety Data Sheet

GardenPRO Super Phosphate

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

Supplier: Terralink Horticulture Inc.
464 Riverside Road, Abbotsford
BC, Canada V2S 7M1

Chemical Type: Inorganic Chemical Fertilizer

Emergency Phone - CEDA: 1-800-663-3456

SECTION 2: COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
None listed			Non-Hazardous		
This is a homogeneous granular product derived from:			100%		
Mono-calcium Phosphate	7758-23-8	Ca ₂ H ₃ O ₄ P		10 mg/m ³ Nuisance Dust	15 mg/m ³ Nuisance Dust
Mono-dicalcium Phosphate	N/A	N/A		Not listed	Not available

SECTION 3: HAZARDS IDENTIFICATION

Ingestion: Minimal hazard under normal conditions and use. Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.

Inhalation: Dusty conditions may cause mechanical aggravation to respiratory mucous membranes.

Eye Contact: Dust from this product may cause particulate discomfort to eyes.

Skin Absorption: Not normally absorbed through the skin.

Skin Contact: Slight dermal abrasion is possible with prolonged contact, especially around cuffs and collars.

Effects of Overdose: Ingestion of large doses may cause diarrhea, nausea, abdominal cramps or formation of methemoglobinemia. Seek medical attention.

SECTION 4: FIRST AID MEASURES

Ingestion: If large amount is ingested, give 2-3 glasses of water and induce vomiting. Seek medical attention.

Inhalation: Remove to fresh air. Seek medical attention if condition persists.

Eyes: Flush eyes with running water for at least 15 minutes. Seek medical attention if condition persists.

Skin: Wash with soap and water. Seek medical attention if condition persists.

Notes to Physician: Consult standard literature. Treatment based on the sound judgment of the physician and the individual reactions.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Use media suitable to extinguish source of fire.

Special Fire Fighting Procedures: Product is not combustible.

Unusual Fire and Explosion Hazards: During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH₃, SO_x, PO_x or CN.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Keep out of water supplies, lakes, ponds, streams and rivers. This product is a fertilizer and may promote algae growth.

Steps to be taken in case material is released or spilled:
Keep from entering waterways. Sweep up material and place in suitable container for use as a fertilizer or for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions to be taken in handling and storing:
Store in a cool, dry area. Prevent spillage and separate from strong oxidizers. Use normal safety procedures and good personal hygiene. Keep out of the reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: Adequate ventilation.

Respiratory Protection: Approved dust respirator when necessary.

Protective Clothing: Normal clean work clothing.

Eye Protection: In dusty conditions, safety glasses with side shields or goggles may be necessary.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Not applicable	Solubility in Water:	Soluble
Density:	68 lbs/ft ³	% Volatiles (by volume):	Not applicable
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Not applicable
pH:	1 g to 10 g H ₂ O: 2.3-3	Reaction with Water:	None
Appearance:	Off-white granules.		
Extinguishing Media:	Use media suitable to extinguish source of fire.		

SECTION 10: STABILITY AND REACTIVITY

Stability (Normal Conditions):	Stable
Conditions to Avoid:	Extremely high temperatures.
Incompatibility (Material to Avoid):	Strong oxidizing agents. Prolonged contact may cause oxidation of unprotected metals.
Hazardous Decomposition Products:	During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH ₃ , SO _x , PO _x or CN.
Hazardous Polymerization:	Will not occur

SECTION 11: TOXICOLOGY INFORMATION

Acute Oral Toxicity:	LD ₅₀ (rat) is 5,000-6,000 mg/kg (ppm); not acutely toxic by oral exposure. (TFI Product Testing Results, OECD Guideline 425)
Acute Aquatic Toxicity:	Fish 96-hour LC ₅₀ is 1,560-5,900 mg/L (ppm); daphnia 24-hour EC ₅₀ : 1,790-1,825 mg/L; algae no toxicity up to 87.6 mg/L. Non-toxic to aquatic organisms. (TFI Product Testing Results)

SECTION 12: ECOLOGICAL INFORMATION

None listed.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Procedures:	Pick up with a shovel and broom and use as a fertilizer by applying to soil using good agricultural and soil management.
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SECTION 14: TRANSPORT INFORMATION

Shipping name:	Not regulated by DOT	C.A.S. Number:	7758-23-8
Hazard Class:	None	D.O.T. Number:	None
Reportable Quantity (RQ):	None	Haz Waste No:	None
Labels Required:	None	EPA Regist No:	None
Placard:	None		

SECTION 15: REGULATORY INFORMATION

Carcinogenicity: by IARC?: Yes () No (X) by NTP?: Yes () No (X)

Not on the 302 list of SARA reportable quantities.

SECTION 16: OTHER INFORMATION

Flash Point (Test Method):	Non-flammable	Flammable Limits	LOWER	UPPER
Autoignition Temperature:	Not applicable	(% BY VOLUME)	N/A	N/A

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