

MATERIAL SAFETY DATA SHEET**1. PRODUCT AND COMPANY IDENTIFICATION****18-6-12**

Garden Pro Slow Release Shrub and Evergreen

Manufacturer / Supplier

Terralink Horticulture Inc.
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Abbotsford, BC. Canada
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CEDA Emergency Response Team
24 Hr. Emergency Telephone Numbers
604-540-4100 Chemical Spills: 1-800-663-3456

2. HAZARDOUS INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS#</u>	<u>TLV</u>	<u>LD₅₀</u> (oral)	<u>LC₅₀</u>
<u>Non-hazardous Ingredients</u>				
Ammonium Nitrate	6484-52-2	N/AP	N/AV	N/AV
Ammonium Phosphate	7722-76-1	N/AP	N/AV	N/AV
Calcium Phosphate	1306-06-5	N/AP	N/AV	N/AV
Potassium Sulfate	7778-80-5	N/AP	N/AV	N/AV
Nuisance Dust		15mg/m ³		

COMMENTS: Each prill consists of the ingredients listed above coated with a resin made from a vegetable oil. All exposure limits are for airborne 8-hour time-weighted averages and apply only to occupational exposures. Product coating is expected to minimize airborne exposures. The ACGH Threshold Limit Values (TLV) for nuisance (inert) dusts containing < 1% crystalline silica and no asbestos are: 10mg/m³ inhalable particulates and 3mg/m³ inhalable particulate. The OSHA TLV is 15mg/m³ total dust, 5mg/m³ respirable fraction.

3. PHYSICAL DATA**Physical state:** Solid**Specific gravity:** N/AV**Boiling point:** N/AV**Melting point:** Decomposes on heating**Appearance and Odour:** Granular, spherical particles, mixed tan to brown-tan**Odour Threshold (ppm):** N/AV**Vapour Density:** N/AV**Vapour Pressure (mmHg):** N/AV**pH:** N/AV**Evaporation Rate:** N/AV**Coefficient of Water/Oil Distribution:** N/AV**4. FIRE AND EXPLOSION DATA****Flammability under which conditions:** None known**Means of Extinction:** Water.**Flashpoint:** Decomposes on heating**Autoignition Temperature:** N/AV**Hazardous Combustion Products:** Decomposes on heating to emit ammonia and toxic oxides of nitrogen, potassium, phosphorus and sulfur. High airborne dust concentrations have the potential for explosion.**Upper Flammable Limit (% by volume):** N/AV**Lower Flammable Limit (% by volume):** N/AV**Explosion Data – Sensitivity to Impact:** N/AV

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Explosion Data- Sensitivity to Static Discharge: N/AV

5. REACTIVITY DATA

Chemical Stability: Normally stable

Incompatibility with Other Substances: Extreme heat. Contact with fuels and other organic or combustible materials. Active metals such as aluminum and magnesium. Strong reducing agents.

6. TOXICOLOGICAL PROPERTIES

Routes of Entry

Skin Contact: Y **Skin Absorption:** N **Eye Contact:** N **Inhalation:** Y **Ingestion:** Y

Effects of Acute Exposure to Product: Do not ingest or inhale. May cause skin irritation. Ingestion may result in nausea or diarrhea. Inhalation of dust may irritate the nose, throat and lungs.

Effects of Chronic Exposure to Product: None known

Exposure Limits: No

Irritancy: No

Sensitization: No

Carcinogenicity: No

Reproductive Toxicity: No

Teratogenicity: No

Mutagenicity: No

Synergistic Products: None known

7. PREVENTIVE MEASURES

Personal Protective Equipment

Gloves: Y **Respirator:** N **Eye:** Y **Footwear:** Y **Clothing:** Y **Other:**

If Y above specify

Gloves: Rubber, Nitrile

Eye: Dust or splash-proof chemical safety goggles or face shield

Respirator: for operations where the exposure limit may be exceeded, a NIOSH/MSHA approved high efficiency particulate respirator is recommended.

Clothing: Rubber or Nitrile gloves, long sleeve shirts and pants or coveralls, boots, and/or other resistant protective clothing. Have a safety eyewash fountain readily available in the work area.

Engineering Controls: Use local exhaust ventilation to control dust or mist. Supply sufficient replacement air to make up for air removed by exhaust system, process of personnel enclosure and control of process conditions.

Leak and Spill Procedures: Restrict access to area until completion of clean-up. Provide adequate personal protective equipment and ensure clean-up is conducted by trained personnel only. Ventilate area. Remove any reactive chemicals from the area.

Waste Disposal: According to local, provincial and federal government requirements

Handling Procedures and Equipment: Avoid inhalation and eye contact. Wear rubber or Nitrile gloves, chemical splash goggles and dust mask. Do not mix with incompatible materials. (see Section 5)

Storage Requirements: Keep in a cool, dry and well-ventilated area. Store away from incompatible materials

Special Shipping Information: Normal shipping procedures **PIN:** N/AV

8. FIRST AID MEASURES

Inhalation: Remove source of contamination or have victim move to fresh air. Obtain medical advice immediately

Ingestion: Not normally ingested. Have person sip a glass of water if able, do not induce vomiting. If irritation or discomfort occurs, obtain medical advice immediately.

Skin Contact: Flush with lukewarm, gently flowing water until the chemical is removed. Remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts, etc.). Obtain medical attention if pain or irritation develops or persists. Completely decontaminate clothing, shoes and leather goods before re-use or discard.

Eye Contact: Do not let victim rub eyes. Immediately flush eye(s) with lukewarm, gently running water for at least 20 minutes, while holding the eyelid(s) open. If irritation persists, obtain medical advice.

9. PREPARATION INFORMATION

Prepared by:

**Regulatory Affairs
Terralink Horticulture Inc.**

**Telephone Number(s):
604-864-9044
800-661-4559**

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Disclaimer:

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