

**MATERIAL SAFETY DATA SHEET****1. PRODUCT AND COMPANY IDENTIFICATION****Fritted Trace**

GardenPro

**Manufacturer / Supplier**

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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>%</u>	<u>CAS#</u>	<u>TLV</u>	<u>LD<sub>50</sub></u> (oral)	<u>LC<sub>50</sub></u>
<b>Frit 503G Micro Mix</b>	51.0				
Lead Sulfate		7446-14-2	0.05mg/m <sup>3</sup>	N/AV	N/AV
Sodium Borate		11130-12-4	2mg/m <sup>3</sup>	(rat) 2330MG/KG	N/AV
Copper Dioxide		1317-39-1	N/AV	(rat) 470mg/m3	N/AV
Copper Sulfate		7758-98-7	1mg/m <sup>3</sup>	(rat) 300mg/kg	N/AV
Iron Oxide		1332-23-7	Not est.	(rat) 5500mg/kg	N/AV
Iron Sulfate		7720-78-7	1mg/m <sup>3</sup>	(rat) 319mg/kg	N/AV
Manganese Oxide		1344-43-0	0.2mg/m <sup>3</sup>	(rat) 1000mg/kg	N/AV
Manganese Sulfate		7785-87-7	0.2mg/m <sup>3</sup>	(rat) 332mg/kg	N/AV
Molybdcic Oxide		1313-27-5	N/AV	(rat) 125mg/kg	N/AV
Zinc Oxide		1314-13-2	2mg/m <sup>3</sup>	(rat) 7950mg/kg	N/AV
Zinc Sulfate		7733-02-2	Not est.	(rat) 2949mg/kg	N/AV

**Non-hazardous Ingredients****K-Mag**

Potassium Magnesium Sulphate	14977-37-8	3mg/m <sup>3</sup>	(rat) 3000mg/kg	(rat) >42g/m <sup>3</sup> /hr
Sodium Chloride	7647-14-5	N/AV	N/AV	N/AV

**3. PHYSICAL DATA****Physical state:** Solid**Specific gravity:** N/AV**Boiling point:** N/AV**Melting point:** N/AV**Appearance and Odour:** Brown granules, slight metallic odour**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

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#### 4. FIRE AND EXPLOSION DATA

**Flammability under which conditions:** None

**Means of Extinction:** Use extinguishing media appropriate for surrounding fire.

**Flashpoint:** N/AV

**Autoignition Temperature:** N/AV

**Hazardous Combustion Products:** Metal fumes, oxides of sulphur

**Upper Flammable Limit (% by volume):** N/AV

**Lower Flammable Limit (% by volume):** N/AV

**Explosion Data – Sensitivity to Impact:** N/AV

**Explosion Data- Sensitivity to Static Discharge:** N/AV

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#### 5. REACTIVITY DATA

**Chemical Stability:** Normally stable

**Incompatibility with Other Substances:** N/AV

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#### 6. TOXICOLOGICAL PROPERTIES

**Routes of Entry**

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

**Effects of Acute Exposure to Product:** Can cause nausea and fever, irritation of skin, eyes and respiratory system.

**Effects of Chronic Exposure to Product:** Can cause damage to respiratory, central nervous, urinary, blood and reproductive systems.

**Exposure Limits:** 3mg/m<sup>3</sup>

**Irritancy:** Skin – rash; eyes – irritation; respiratory – coughing.

**Sensitization:** None

**Carcinogenicity:** Lead sulphate is classified as possibly carcinogenic to humans

**Reproductive Toxicity:** Yes, due to chronic exposure to lead sulphate

**Teratogenicity:** No evidence

**Mutagenicity:** No evidence

**Synergistic Products:** No evidence

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#### 7. PREVENTIVE MEASURES

**Personal Protective Equipment**

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

If Y above specify

**Gloves:** Heavy duty, leather gloves

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

**Clothing:** Coveralls

**Respirator:** Approved NIOSH 3M8210 or better

**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:** Avoid generating dust. Shovel or sweep up and reuse.

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

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**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

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## 8. FIRST AID MEASURES

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

**Ingestion:** Not normally ingested. 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.

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## 9. PREPARATION INFORMATION

Prepared by:

Regulatory Affairs  
Terralink Horticulture Inc.

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

Date: December 23, 2008.



Class D, Div. 2 – Materials Causing Other Toxic Effects

### Disclaimer:

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