

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

Stage II 20.5-5-0

XCELERATOR**Manufacturer / Supplier**

Terralink Horticulture Inc.
464 Riverside Road,
Abbotsford, BC. Canada
V2S 7M1
Ph: 604-864-9044
Fax: 604-864-8418

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>	<u>LC50</u>
<u>Non-hazardous Ingredients</u>				
23-0-0 Urea	57-13-6	Not est.	(rat) 14,300mg/kg	N/AV
Liquid Kelp	N/AV	N/AV	N/AV	N/AV
Ammonium Polyphosphate 10-34-0	N/AP	N/AP	N/AP	N/AP

3. PHYSICAL DATA**Physical state:** Liquid**Specific gravity:** N/AP**Boiling point:** Does not boil**Melting point:** N/AP**Appearance and Odour:** pale, yellowish brown liquid, may have a slight sulphur odour**Odour Threshold (ppm):** N/AP**Vapour Density:** N/AP**Vapour Pressure (mmHg):** Negligible**pH:** N/AV**Evaporation Rate:** solid**Coefficient of Water/Oil Distribution:** N/AV**4. FIRE AND EXPLOSION DATA****Flammability under which conditions:** N/AP**Means of Extinction:** Use extinguishing media appropriate to the surrounding fire conditions**Flashpoint:** N/AP**Autoignition Temperature:** N/AP**Hazardous Combustion Products:** Heating to dryness may cause the release of sulphur and oxides of sulphur and potassium sulphate.**Upper Flammable Limit (% by volume):** N/AP**Lower Flammable Limit (% by volume):** N/AP**Explosion Data – Sensitivity to Impact:** N/AV**Explosion Data- Sensitivity to Static Discharge:** N/AV

5. REACTIVITY DATA

Chemical Stability: Normally stable

Incompatibility with Other Substances: Strong oxidizers such as nitrates, nitrites or chlorates can cause explosive mixtures if heated to dryness. Acids will cause the release of sulphur dioxide, a severe respiratory hazard. Potassium Thiosulphate solutions are not compatible with lead or mercury, or their alloys. These materials of construction should not be used in handling systems or storage containers for this product.

Hazardous Decomposition Products: Heating this product will evolve sulphur dioxide, which is a respiratory hazard.

6. TOXICOLOGICAL PROPERTIES

Routes of Entry

Skin Contact: no **Skin Absorption:** no **Eye Contact:** YES **Inhalation:** YES **Ingestion:** no

Effects of Acute Exposure to Product: slight irritation to the nose and throat if inhaled, and to the eyes. Minor, temporary irritation on skin contact. Not normally ingested, but in large amounts can cause stomach cramps, vomiting, diarrhea, excitement and convulsions.

Effects of Chronic Exposure to Product: None known

Exposure Limits: N/AV for mixture

Irritancy: YES; contact with eyes / skin

Sensitization: No

Carcinogenicity: No

Reproductive Toxicity: No

Teratogenicity: No

Mutagenicity: No

Synergistic Products: N/AV

7. PREVENTIVE MEASURES

Personal Protective Equipment

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

If Y above specify

Gloves: Rubber, Nitrile

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

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: If irritation or discomfort occurs, obtain medical advice immediately.

Skin Contact: if irritation occurs, flush area with lukewarm, gently running water for at least 5 minutes, or until the chemical is removed. If irritation persists, seek medical advice.

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

Date: March 26, 2009.

Disclaimer:

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