

**MATERIAL SAFETY DATA SHEET****1. PRODUCT AND COMPANY IDENTIFICATION****22-0-3+2S**

Corn Sidedress

**Manufacturer / Supplier**

Terralink Horticulture Inc.

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Abbotsford, BC. Canada

V2S 7M1

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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>LD<sub>50</sub></u> (oral) | <u>LC<sub>50</sub></u> |
|---|-------------|------------|-------------------------------|------------------------|
| <u>Non-hazardous Ingredients</u>          |             |            |                               |                        |
| <b>Urea Ammonium Nitrate</b>              |             |            | (rat)>2000mg/kg               | N/AP                   |
| 32-0-0                                    |             |            |                               |                        |
| Nitric acid ammonium salt mixed with urea | 15978-77-5  | N/AP       | N/AP                          | N/AP                   |
| Ammonia                                   | 7664-41-7   | 25ppm      | N/AP                          | N/AP                   |
| <b>KTS 0-0-25</b>                         |             |            |                               |                        |
| Potassium thiosulphate                    | 10294-66-3  | N/AV       | N/AV                          | N/AV                   |
| Water                                     | 7732-18-5   | N/AV       | (rat)>90mL/kg                 | N/AV                   |
| <b>Water</b>                              | 7732-18-5   | N/AV       | (rat)>90mL/kg                 | N/AV                   |

**3. PHYSICAL DATA****Physical state:** Liquid**Specific gravity:** N/AV**Boiling point:** Decomposes**Melting point:** N/AV**Appearance and Odour:** clear to slightly hazy liquid, odourless**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:** Dangerous if evaporated to near dryness. Dry residue may form explosive mixtures with organic materials.

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

**Flashpoint:** N/AP

**Autoignition Temperature:**

**Hazardous Combustion Products:** N/AV

**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:** Slightly reactive with reducing agents, combustible materials, organic materials, metals. Very slightly reactive with acids, alkalis. Incompatible with strong oxidizers or reducing agents. May be incompatible with finely powdered metals (cadmium, copper, lead, cobalt, nickel, bismuth, chromium, magnesium, zinc, sodium, potassium and aluminum). May explode by detonations, heat or shock when evaporated to near dryness. Incompatible with copper alloys. Corrosive to ferrous metals and alloys and brass.

**Hazardous Decomposition Products:** N/AV

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#### 6. TOXICOLOGICAL PROPERTIES

**Routes of Entry**

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

**Effects of Acute Exposure to Product:** May be dangerous in case of ingestion by infants, reducing the oxygen carrying capacity of the blood. Over-exposure to spray mists may cause minor respiratory, eye or skin irritation. Symptoms of eye irritation include redness and inflammation. Skin symptoms include bluish discolouration with profuse sweating or flushed skin.

**Effects of Chronic Exposure to Product:** Repeated or prolonged over-exposure can reduce the oxygen carrying capacity of the blood in infants or individuals with pre-existing bowel or blood vessels.

**Exposure Limits:** N/AVP

**Irritancy:** Eyes, skin and lungs

**Sensitization:** No

**Carcinogenicity:** No

**Reproductive Toxicity:** No

**Teratogenicity:** No

**Mutagenicity:** No

**Synergistic Products:** None known

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## 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

**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

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## 8. FIRST AID MEASURES

**Inhalation:** repeated or prolonged inhalation of spray mists may produce irritation of the respiratory tract. Loosen tight fitting clothing and allow to rest in a well ventilated area. Obtain medical attention if irritation persists.

**Ingestion:** have conscious person drink several glasses of water or milk, induce vomiting. NEVER give an unconscious person anything to drink.

**Skin Contact:** May cause skin irritation. Wash contaminated skin with soap and water. Moisturize irritated skin with a good quality skin cream.

**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: January 30, 2009.



Class E – Corrosive Material

**Disclaimer:**

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