

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

10-32-0

Stage 1 - Starter

Manufacturer / Supplier

Terralink Horticulture Inc.
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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>LD50</u>	<u>LC50</u>
Versene 100	0.25				
Water		7732-18-5	N/AV	(rat)>90ml/kg	N/AV
Tetrasodium ethylene diamine tetraacetate		64-02-8	N/AV	(rat)1685/mg/kg	N/AV
Sodium glycolate		2836-32-0	N/AV	(rat)7110mg/kg	N/AV
Disodium ethylenediaminetetraacetate		38011-25-5	N/AV	N/AV	N/AV
Trisodium nitrilotriacetate		5064-31-3	N/AV	(rat)920mg/kg	Inhalation(rat)5mg/L
Sodium Hydroxide		1310-73-2	N/AV	(rabbit)500mg/kg	N/AV
Trisodium ethylenediaminetetraacetate		19019-43-3	N/AV	N/AV	N/AV

Non-hazardous Ingredients

10-34-0+3S

Mono-ammonium Phosphate		7722-76-1	10 mg/m ³ Nuisance dust	rat) >5,000 mg/kg	N/AV
Muriate of Potash, MOP					
Potassium Chloride		7447-40-7	N/AV	(rat) 2,600mg/kg	N/AV
Liquid Kelp		N/AV	N/AV	N/AV	N/AV
Urea Ammonium Nitrate 23-0-0					
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
Humic Acid		N/AV	N/AV	N/AV	N/AV

3. PHYSICAL DATA

Physical state: Liquid
Specific gravity: N/AP
Boiling point: N/AV
Melting point: N/AV
Appearance and Odour: amber to dark amber colour
Odour Threshold (ppm): N/AV
Vapour Density: N/AV
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:
Mono-Ammonium Phosphate: Phosphorous oxides, nitrogen oxides and ammonia may be released in fire.
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 OXIDIZING AGENTS (e.g. sodium hypochlorite or sodium chlorate) – causes decomposition to occur, risk of fire and explosion.
STRONG ACIDS (e.g. sulphuric acid) – may react violently
Hazardous Decomposition Products: Decomposes at high temperatures giving ammonia and polyphosphoric acid

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: prolonged, repeated exposure may cause increased mucous flow in the nose and respiratory system.

Exposure Limits: N/AV for mixture. TWA 10 mg/m³ (WEELs) / (AIHA) 2007

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: September 14, 2009.



Class D, Div. 2B – Materials Causing Other Toxic Effects (TOXIC)

Disclaimer:

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