

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

4-10-1

New Blueberry Premix Standard

Manufacturer / Supplier

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



EMERGENCY CONTACT INFORMATION
CEDA Emergency Response Team (C.E.R.T)

24 hour Telephone: 604-540-4100
Chemical Spill: 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>
Boron (Solubor)	.29	1330-43-4	2mg/m ³	(rat)1200mg/kg	(rat)>2040mg/m ³
Versene 100	.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

10-34-0

Ammonium Polyphosphate N/AV N/AV (rat)>2000mg/kg N/AV

Urea, 23-0-0

Urea 57-13-6 N/AV (rat) 8471mg/kg N/AV

Methylene diurea 9011-05-6 N/AV N/AV N/AV

Imidodicarbonic diamide (biuret) 108-19-0 N/AV N/AV N/AV

Water 7723-18-5 Not est. (rat)>89,840mg/kg N/AV

KTS (0-0-25)

Potassium thiosulphate 10294-66-3 N/AV (rat)>5000mg/kg N/AV

Water 7732-18-5 N/AP N/AP N/AP

Iron EDTA 13% 15708-41-5 N/AV (rat)>2000mg/kg N/AV

Liquid Kelp 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: N/AV
Odour Threshold (ppm): N/AV
Vapour Density: N/AV
Vapour Pressure (mmHg): Negligible
pH: N/AV
Evaporation Rate: N/AV
Coefficient of Water/Oil Distribution: N/AV

4. FIRE AND EXPLOSION DATA

Flammability under which conditions: none
Means of Extinction: Does not burn. Use extinguishing media appropriate to the surrounding fire conditions
Flashpoint: N/AP
Autoignition Temperature: N/AP
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

5. REACTIVITY DATA

Chemical Stability: Normally stable.
Incompatibility with Other Substances: Very slightly reactive with metals. Very reactive with strong alkaline substances like caustic soda, producing ammonia gas and heat with the possibility of the mixture boiling over and splashing. Slightly corrosive to copper, iron and steel. Incompatible with copper alloys. Corrosive to ferrous metals and alloys.
Hazardous Decomposition Products: Combustion can yield oxides of sulfur when heated above 537°C (1000°F). During extremely high temperature fire conditions, the product may decompose to release NH₃, SO_x, PO_x or CN.

6. TOXICOLOGICAL PROPERTIES

Routes of Entry

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

Effects of Acute Exposure to Product: May irritate eyes and skin upon prolonged or repeated contact. Over-exposure by inhalation may cause temporary respiratory tract irritation. Ingestion may produce irritation of the gastrointestinal tract, characterized by burning and diarrhea.

Effects of Chronic Exposure to Product: Not known

Exposure Limits: N/AV for mixture.

Irritancy: YES; contact with eyes / skin

Sensitization: N/AV

Carcinogenicity: N/AV

Reproductive Toxicity: Animal ingestion studies in several species, at high doses, indicate that borates cause reproductive and developmental effects.

Teratogenicity: N/AV

Mutagenicity: N/AV

Synergistic Products: None known.

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 vapours and 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. Have victim rinse mouth thoroughly with water. Have victim drink 240 to 300 mL (8-10 oz.) of water and induce vomiting, rinse mouth with and repeat administration of water. Obtain medical attention 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 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

Date: November 14, 2008.

WHIMIS CLASSIFICATION



Class E Corrosive Material



Class D-2 Poisonous and Infectious Material (material causing other toxic effects)

Disclaimer:

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