

MATERIAL SAFETY DATA SHEET

4-8-1 Blueberry Premix

MSDS Date of Issue: 10/14/08

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 4-8-1 Blueberry Premix
PRODUCT CODE(S): 1800932, 1800934

MANUFACTURER / DISTRIBUTOR: TerraLink Horticulture Inc.
ADDRESS: 464 Riverside Road, Abbotsford, BC. Canada V2S 7M1
PHONE: 604-864-9044

24 HOUR CEDA EMERGENCY PHONE: 604-540-4100
CHEMICAL SPILLS: 800-663-3456

PRODUCT USE: Fertilizer
PREPARED BY: Regulatory Affairs
REVISION DATE: November 9, 2013

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

| <u>REPORTABLE INGREDIENT(S)</u> | <u>CAS NO.</u> | <u>EXPOSURE LIMITS OSHA PEL-TWA</u> | <u>% VOL/WT</u> |
|--|----------------|---|-----------------|
| Boron (Solubor) | 1330-43-4 | 2mg/m ³ | 0.31 |
| Versene 100 | | | 0.27 |
| Water | 7732-18-5 | N/AV | |
| Tetrasodium ethylene diamine tetraacetate | 64-02-8 | N/AV | |
| Sodium glycolate | 2836-32-0 | N/AV | |
| Disodium ethylenediaminetetraacetate | 38011-25-5 | N/AV | |
| Trisodium nitrilotriacetate | 5064-31-3 | N/AV | |
| Sodium Hydroxide | 1310-73-2 | N/AV | |
| Trisodium ethylenediaminetetraacetate | 19019-43-3 | N/AV | |

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION: KEEP OUT OF REACH OF CHILDREN

ROUTES OF ENTRY: Eyes, skin, inhalation, ingestion

ACUTE HEALTH EFFECTS

EYES: Slightly irritating to the eyes

SKIN: May be slightly irritating to the skin

INGESTION: May cause burns. Additional effects may include fever, nausea, vomiting, diarrhea, stomach pain, blood in the stool, inability to urinate, low blood pressure, kidney damage, liver damage and convulsions.

INHALATION: Inhalation may cause irritation to the nasal membranes and upper respiratory tract. Additional effects may include difficulty breathing, low blood pressure, dizziness, bluish skin colour and lung congestion. If sufficient quantities are inhaled, pulmonary edema may develop, often with a latent period of 5-72 hours. The symptoms may include tightness in the chest, dyspnea, frothy sputum, cyanosis and dizziness. Physical findings may include weak, rapid pulse, hypotension, hemoconcentration and moist rales.

CHRONIC HEALTH HAZARDS: NA

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SECTION 4: FIRST AID MEASURES

EYES: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse.

INGESTION: Do NOT induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

INHALATION: Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

Notes to Physician: Treatment based on sound judgment of physician and individual reactions of patient.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point: None.

Flash Point Method: Not applicable.

Autoignition Temperature: Not Available.

Flammable Limits in Air (%): Not Available.

Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Special Exposure Hazards: Move containers from fire area if you can do it without risk. Use water spray to cool fire-exposed containers and structures. Contain fire control water for later disposal.

Hazardous Decomposition/Combustion Materials (under fire conditions): NAb

Special Protective Equipment: Fire fighters should wear full protective clothing, including self-contained breathing equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures: Wear appropriate protective equipment.

Environmental Precautionary Measures: Prevent entry into sewers or streams, dike if needed. Consult local authorities.

Procedure for Clean Up: Isolate hazard area and restrict access. Scoop up or vacuum up and place in an appropriate closed container.

SECTION 6 NOTES: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

SECTION 7: HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not breathe dust.

Storage: Store in a cool, dry, well ventilated area. Place away from incompatible materials. Containers of this material may be hazardous when empty since they retain product residues (dust, solids).

OTHER PRECAUTIONS: May be toxic to fish and other aquatic organisms. Do not contaminate water supplies by handling and storage of product. Drift or runoff may adversely affect aquatic invertebrates and non-target plants.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Localized ventilation should be used to control dust levels.

Respiratory Protection: Use a NIOSH approved dust respirator. For extremely dusty conditions, the use of a full-face air purifying particulate respirator is recommended.

Gloves: Cotton gloves permitted for dry product, impervious gloves when handling solutions.

Skin Protection: Skin contact should be prevented through the use of suitable protective clothing, gloves and footwear, selected for conditions of use and exposure potential. Consideration must be given both to durability as well as permeation resistance.

Eyes: Use dust-tight chemical safety goggles when there is potential for eye contact.

Other Personal Protection Data: Ensure that eyewash stations and safety showers are proximal to the work-station location.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: NAb
Materials to Avoid: Hazardous Decomposition Products: NAb
Additional Information: No additional remark.

SECTION 11: TOXICOLOGICAL INFORMATION

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 gastro-intestinal 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.

SECTION 12: ECOLOGICAL INFORMATION

Not available for blend

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of according to local, provincial and federal government requirements.

Contaminated Packaging: Empty containers should be recycled or disposed of through an approved waste management facility.

SECTION 14: TRANSPORT INFORMATION

Not regulated



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SECTION 15: REGULATORY INFORMATION

WHMIS HAZARD CLASS:

Canadian DSL Inventory Status: All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.

SECTION 15 NOTES: This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

SECTION 16: OTHER INFORMATION

ADDITIONAL INFORMATION:

Abbreviations used throughout the MSDS are:

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|-------------------------------|
| NA = Not available |
| NAb = Not available for blend |
| NAp = Not applicable |
| N/E = None established |

Company references utilized in preparation of the MSDS.

DISCLAIMER:

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