

MATERIAL SAFETY DATA SHEET

Hi-N Blueberry Premix 8-4-2

MSDS Date of Issue: 11/14/08

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Hi-N Blueberry Premix 8-4-2
PRODUCT CODE(S): 1800944, 1800942

MANUFACTURER: 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

ACUTE HEALTH EFFECTS

EYES: Some tearing, blinking and mild temporary pain may occur as the material is rinsed from the eye(s) by tears.

SKIN: Dusts and mists are not expected to be irritating based on pH

INGESTION: Ingestion in very large amounts may cause nausea and vomiting. Ingestion is not a typical route of occupational exposure.

INHALATION: The dusts and mists (from solutions) may be irritating to nose and throat. High concentrations of dust may cause coughing and mild, temporary irritation.

CHRONIC HEALTH HAZARDS: In general, long-term exposures to high concentrations of dust may cause increased mucous flow in the nose and respiratory system airways. This condition usually disappears after exposure stops. Controversy exists as to the role exposure to dust has in the development of chronic bronchitis. Other factors such as smoking and general air pollution are more important, but dust exposure may also contribute.

CARCINOGENICITY: Blend not considered to be carcinogenic.

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Hi-N Blueberry Premix 8-4-2

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SECTION 4: FIRST AID MEASURES

EYES: 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.

SKIN: 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 develops or persists. Completely decontaminate clothing, shoes and leather goods before re-use or discard.

INGESTION: Not normally ingested. NEVER give anything by mouth if victim is rapidly losing consciousness, is unconscious or convulsing. If irritation or discomfort occurs obtain medical advice immediately.

INHALATION: Remove source of contamination or have victim move to fresh air. Obtain medical advice immediately.

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Does not burn. Use extinguishing media for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: NAb

UNUSUAL FIRE AND EXPLOSION HAZARDS: NAb

HAZARDOUS DECOMPOSITION PRODUCTS: None known for blend.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: 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.

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

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store in cool dry place away from children, feed and food products, and seed.

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 / VENTILATION 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.

RESPIRATORY PROTECTION: For operations where the exposure limit may be exceeded, a NIOSH/MSHA approved high efficiency particulate respirator is recommended.

EYE PROTECTION: Dust or splash-proof chemical safety goggles or face shield.

SKIN PROTECTION: Rubber or Nitrile gloves, long sleeve shirt and pants or coveralls, boots and/or other resistant protective clothing. Have a safety eyewash fountain readily available in the work area.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: NAb
ODOR: NAb
PHYSICAL STATE: Liquid

pH AS SUPPLIED: NAb
pH (Other): NAb
BOILING POINT: NAb
MELTING POINT: NAb
FREEZING POINT: NAb
VAPOR PRESSURE (mmHg): NAb
VAPOR DENSITY (AIR = 1): NAb
SPECIFIC GRAVITY (H₂O = 1): NAb
EVAPORATION RATE: NAb
BASIS (=1): NAb
SOLUBILITY IN WATER: NAb
PERCENT SOLIDS BY WEIGHT: NAb
PERCENT VOLATILE: NAb
VOLATILE ORGANIC COMPOUNDS (VOC): NAb
 WITH WATER: NAb LBS/GAL
 WITHOUT WATER: NAb LBS/GAL
MOLECULAR WEIGHT: NAb
VISCOSITY: NAb

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Normally stable

CONDITIONS TO AVOID (STABILITY): NAb

INCOMPATIBILITY (MATERIAL(S) TO AVOID): 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. Strong acids, bases and oxidizers are incompatible with Magnesium chelate.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: NAb

HAZARDOUS POLYMERIZATION: NAb

SECTION 11: TOXICOLOGICAL INFORMATION

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

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Drift or runoff may adversely affect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment wash water. Do not apply when weather conditions favour drift from target area.

SECTION 13: DISPOSAL CONSIDERATIONS

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

RCRA HAZARD CLASS: NA

SECTION 14: TRANSPORT INFORMATION

CANADIAN TDG DESCRIPTION (Road and Rail): Not regulated for transport by Road/Rail in Canada. Contact manufacturer for updates to transport information.



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SECTION 15: REGULATORY INFORMATION

WHMIS HAZARD CLASS: Not regulated.

SECTION 15 NOTES: This product has been classified according to the hazard criteria of the 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: | 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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