



## MATERIAL SAFETY DATA SHEET

18-18-18 50% CRN Balanced Turf

MSDS Date of Issue: 10/6/08

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 18-18-18 50% CRN Balanced Turf  
**PRODUCT CODE(S):** 7128151, 7128153

**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 5, 2010.

### 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>
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No reportable ingredients

### SECTION 3: HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**CAUTION: KEEP OUT OF REACH OF CHILDREN**

**ROUTES OF ENTRY:** Eyes, skin, respiratory

#### ACUTE HEALTH EFFECTS

**EYES:** Solid particles are likely irritating as "foreign objects". Some tearing, blinking and mild temporary pain may occur as the solid 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.

### 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.

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### SECTION 5: FIRE-FIGHTING MEASURES

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

**SPECIAL FIRE FIGHTING PROCEDURES:** NAb

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Phosphorous oxides, nitrogen oxides and ammonia may be released in fire.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposes at high temperatures giving ammonia and polyphosphoric acid. May be mildly corrosive to steel, gray iron and aluminum. Aqueous solutions are not corrosive to certain grades of stainless steel. Not corrosive to nickel-chromium-molybdenum alloys.

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

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**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.

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### SECTION 7: HANDLING AND STORAGE

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**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.

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**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:** Brown, beige, blue and white granules

**ODOR:** NAb

**PHYSICAL STATE:** Solid

**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 (H<sub>2</sub>O = 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):** Strong oxidizing agents, strong acids, Magnesium, acids, Chlorine trifluoride, Sodium hypochlorite, calcium hypochlorite, Phosphorus pentachloride, Sodium nitrite, Potassium nitrite.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Decomposes at high temperatures giving ammonia and polyphosphoric acid. May be mildly corrosive to steel, gray iron and aluminum. Aqueous solutions are not corrosive to certain grades of stainless steel. Not corrosive to nickel-chromium-molybdenum alloys.

**HAZARDOUS POLYMERIZATION:** NAb

### SECTION 11: TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** NAb

### 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.

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