

MATERIAL SAFETY DATA SHEET**1. PRODUCT AND COMPANY IDENTIFICATION**

Country Green Spring and Summer
32-4-8+1.5% Fe 50% CRN

Manufacturer / Supplier

Terralink Horticulture Inc.
 464 Riverside Road,
 Abbotsford, BC. Canada
 V2S 7M1
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 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> (oral)	<u>LC₅₀</u>
Iron 227	3.6				
Iron Oxide		75-80 1332372		5500 mg/kg IPR-RAT	N/AV
Iron Sulfate		20-25 7720787		319 mg/kg ORL-RAT	N.AV
<u>Non-hazardous Ingredients</u>					
Mono-ammonium Phosphate		7722-76-1	10 mg/m ³	(rat) >5,000 mg/kg	N/AV
46-0-0 Urea		57-13-6	Not est.	(rat) 14,300mg/kg	N/AV
Limestone		471-34-1	not est.	(rat) 6450mg/kg	N/AV
UFLEXX 46-0-0		57-13-6	N/AV	(rat) 8471mg/kg	N/AV
Muriate of Potash					
Potassium Chloride		7447-40-7	3mg/m ³	(rat) 2.6g/kg	N/AV
Sodium Chloride		7647-14-5	5mg/m ³	(rat) 3g/kg	(rat) >42g/m ³
UMAXX					
N-(n-Butyl)-thiophosphoric triamide		94317-64-3	N/AV	N/AV	N/AV
Urea		57-13-6	N/AV	14,300mg/kg(rat)	N/AV
Organic nitrogen (dicyandiamide)		461-58-5	N/AV	N/AV	N/AV

3. PHYSICAL DATA

Physical state: Solid
Specific gravity: N/AV
Boiling point: N/AV
Melting point: N/AV
Appearance and Odour: brown, beige, white and blue granules
Odour Threshold (ppm): N/AV
Vapour Density: N/AP
Vapour Pressure (mmHg): Negligible
pH: N/AV
Evaporation Rate: solid
Coefficient of Water/Oil Distribution: N/AV

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4. FIRE AND EXPLOSION DATA

Flammability under which conditions: N/AV

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: None

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. HYDROFLUORIC ACID – attacks silica.

MAGNESIUM – heating a mixture of powdered magnesium with slightly wet silica caused a violent explosion.

MANGANESE TRIFLUORIDE – a violent reaction may result. SODIUM – finely divided silica (sand) will often react with burning sodium

Hazardous Decomposition Products: None known

6. TOXICOLOGICAL PROPERTIES

Routes of Entry

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

Effects of Short-Term (Acute) exposure to Product: N/AV

Effects of Long-Term (chronic) exposure to Product: N/AV

Irritancy: YES; contact with eyes / skin, respiratory system

Sensitization: No

Carcinogenicity: No

Reproductive Toxicity: No

Teratogenicity: No

Mutagenicity: No

Synergistic Products: N/AV

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7. PREVENTIVE MEASURES

Personal Protective Equipment

Gloves: Y Respirator: Y 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

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

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: **Do not** dry-seep crystalline silica. Whenever possible, wet down with a water spray to minimize the amount of dust or use a vacuum equipped with HEPA filters. 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 a NIOSH/MSHA approved high efficiency particulate respirator. 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

8. FIRST AID MEASURES

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

Ingestion: Not normally ingested. If irritation or discomfort occurs, obtain medical advice 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 develops or 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.

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9. PREPARATION INFORMATION

Prepared by:

Regulatory Affairs
Terralink Horticulture Inc.

Telephone Number(s):
604-864-9044
800-661-4559

Date: December 23, 2008.



Class C – Oxidizing Material



Class D, Div. 2 – Materials Causing Other Toxic Effects

Disclaimer:

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