

## MATERIAL SAFETY DATA SHEET

### SECTION 1 — PRODUCT IDENTIFICATION

**Product identifier:** **Turf•Balance**

**Product use:** Liquid Fertilizer

**Supplier name and address:**

**Plant Science Inc.**

2934 Vandorf Sideroad  
Gormley, Ontario, Canada  
L0H 1G0

**Manufacturer's name and address:**

Refer to Supplier

**Emergency Telephone #:** 613-996-6666 (Canutec)

**WHMIS information:**

### SECTION 2 — CHEMICAL COMPOSITION/HAZARDOUS INGREDIENTS

<u>Component:</u>	<u>% (weight)</u>
Proprietary formation of a liquid Nitrogen, Phosphorus, Potassium, Manganese, Magnesium, Iron, Copper, Zinc fertilizer	100%

\* contains 0.05% Silica

### SECTION 3 — PHYSICAL AND CHEMICAL PROPERTIES

<b>% Nitrogen (N)</b>	16.0%
<b>% Phosphorus (P<sub>2</sub>O<sub>5</sub>)</b>	3.0%
<b>% Potassium (K<sub>2</sub>O)</b>	6.0%
<b>% Magnesium (Mg)</b>	0.5%
<b>% Manganese (Mn)</b>	0.1%
<b>% Boron (B)</b>	0.05%
<b>Appearance:</b>	Dark Brown/Black liquid.
<b>Odour:</b>	Fruity
<b>Specific Gravity:</b>	1.25 - 1.27
<b>Water Solubility:</b>	Completely soluble.
<b>pH (10% solution):</b>	5.5 – 7.5

### SECTION 4 — FIRE AND EXPLOSION DATA

<b>Flash Point And Method</b>	: Non flammable
<b>Extinguishing Media</b>	: Dry powder, carbon dioxide, water, foam
<b>Unusual Fire Hazards</b>	: None known
<b>Unusual Explosion Hazards</b>	: None known
<b>Special Fire Fighting</b>	:
<b>Procedures And Precautions</b>	: None

### SECTION 5 — REACTIVITY AND STABILITY DATA

<b>Stability</b>	: Stable in normal use and storage. Store in sealed containers.
<b>Conditions to Avoid</b>	: None known
<b>Hazardous Polymerization</b>	: Will not occur
<b>Hazardous Decomposition</b>	:
<b>Products</b>	: None known
<b>Incompatibility</b>	: Lime Sulphur and Bordeaux Mixture
<b>(Materials to avoid)</b>	:

### SECTION 6 — TOXICOLOGICAL INFORMATION

**Routes of exposure:** Skin contact, eye contact, inhalation and ingestion.

<b>Eye Contact</b>	: Mild eye irritant.
<b>Skin Contact</b>	: Mild skin irritant.
<b>Inhalation</b>	: Low toxicity. Not usually a problem.
<b>Ingestion</b>	: Low toxicity. Treat symptomatically.

## SECTION 7— FIRST AID MEASURES

- Inhalation:** Immediately remove person to fresh air. If breathing stops, provide rescue breathing. If breathing is difficult, give oxygen. Obtain medical attention immediately.
- Skin contact:** Immediately flush skin with running water for at least 20 minutes, while removing contaminated clothing. Obtain medical attention immediately. Launder clothing before re-use.
- Eye contact:** Immediately flush eyes with running water for at least 20 minutes. Obtain medical attention immediately.
- Ingestion:** If swallowed, do NOT induce vomiting. Have victim drink one to two glasses of water to dilute material in the stomach. If milk is available it may be given after water. Obtain medical attention immediately. Never give anything by mouth to an unconscious person.

## SECTION 8 — PREVENTATIVE MEASURES

- Spill or Leak Procedures:** Soak up on dust-free sawdust and place in a marked container Wash down area with water.
- Waste Disposal:** Dispose of at incinerator or landfill site.

### \*\*\*PROTECTIVE EQUIPMENT\*\*\*

- Ventilation and engineering controls:** Use with adequate ventilation. Exhaust ventilation may be required to meet TLV requirements.
- Respiratory protection:** Respiratory protection is required if the airborne concentration exceeds the TLV. Use NIOSH approved respirators. For emergencies or where the airbourne concentration is not known, use a full-face air-supplied respirator. Advice should be sought from respiratory protection specialists.
- Protective gloves:** Wear gloves impervious to the material. Advice should be sought from glove suppliers.
- Eye protection:** Chemical goggles, to prevent liquid splashes from entering the eyes.
- Other protective equipment:** Wear chemically resistant overalls and impervious boots to prevent skin contact. A safety shower and eyewash station should be made available in the immediate working area.

### \*\*\*STORAGE & HANDLING\*\*\*

- Handling and Storing**
- Precautions:** Store in a cool, dry, well-ventilated area. Protect from freezing. Do not contaminate water, food or feed by storage or disposal.

### Special Shipping Information:

Transportation of Dangerous Goods (TDG) information:

*Shipping Description:* non-hazardous, liquid micronutrient fertilizer.

## SECTION 9 — PREPARATION INFORMATION

- Prepared by:** Plant Science Inc  
**Telephone number:** 1-866-499-0659  
**Preparation date:** August 22 2015

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