

# Material Safety Data Sheet

## Top Lawn 12-0-5

### Section 1 – Product and Company Identification

Product Name: **Top Lawn 12-0-5**  
Product Use: Liquid Fertilizer  
Company Information: Eco Solutions  
1114 Lower Base Line, Milton, ON, L0P 1E0  
Non-Emergency Contact: 1 877 326-7658

### Section 2 – Hazards Identification

Physical State: Liquid  
Appearance: Reddish/Brown Liquid  
Odour: Slight Ammonia Odour

#### Potential Health Effects

Routes of Exposure: Eyes, Skin and Inhalation  
Eye Contact: May cause eye irritation  
Skin Contact: May irritate skin  
Inhalation: May irritate throat and respiratory system  
Ingestion: May cause irritation, nausea and stomach pain

### Section 3 – Composition/Information on Ingredients

<u>Ingredients</u>	<u>CAS No.</u>	<u>LD<sub>50</sub> of Material</u>	<u>LC<sub>50</sub> of Material</u>
Urea	57-13-6	N/A	N/A
Iron (Fe)	7349-89-6		
EDTA, Ferric Complex	15708-41-5		
Ammonium Chloride	12125-02-9		
Muriate of Potash	7447-40-7		
Dicyandiamide	461-58-5		
N – (n-butyl)-thiophosphoric triamide	94317-64-3		
N-Methyl-2-pyrrolidone	872-50-4		

### Section 4 – First Aid Measures

Eye Contact: Do not rub eyes. Immediately flush eyes with water; remove contact lenses if present, then continue flushing eyes for at least 15 minutes. Seek medical attention if irritation develops and persists.

Skin Irritation: Wash skin with plenty of soap and water. Seek medical attention if irritation develops and persists.

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Ingestion: If swallowed, seek medical attention. Rinse mouth thoroughly and drink lots of water. Induce vomiting. Do not give anything by mouth to an unconscious or convulsive person.

Note to Physician: Treat symptomatically as for effects of a strong salt solution.

### **Section 5 – Fire Fighting Measures**

Flammability:	Not flammable
Means of Extinction:	N/A
Special Procedures:	N/A
Flashpoint (°C):	N/A
Upper Explosion Limit:	N/A
Lower Explosion Limit:	N/A
Auto Ignition Temperature (°C):	N/A
TDG Flammability:	N/A
Hazardous Combustion Products:	N/A
Explosion Sensitivity:	N/A
Rate of Burning:	N/A
Explosive Power:	N/A
Sensitivity to Static Discharge:	N/A

### **Section 6 – Accidental Release Measures**

Personal Precautions: Do not touch damaged containers or spilled material unless wearing appropriate protective gear.

Environmental Precautions: If safe to do so, prevent further spillage. Small spills can be absorbed in sand, kitty litter or other absorbent materials. Large spills should be diked to contain the material and to prevent contact with waterways and sewers. As a non-hazardous waste, it must be disposed of according to local regulations.

Clean Up: Prevent from entering sewers/waterways.

### **Section 7 – Handling and Storage**

Handling Procedures and Equipment: Avoid splashing

Storage Requirements: Do not store in aluminum tanks as it may contaminate the product.

## Section 8 – Exposure Controls/Personal Protection

Recommended Exposure Limit: No recommended exposure limits for this product.

### Personal Protective Equipment

Respiratory Protection: Not needed for normal use  
Protective Gloves: Not required. Use rubber or PVC for prolonged exposure.  
Eye Protection: Use safety glasses or chemical splash proof goggles.  
Clothing: Wear waterproof apron if splash or spill is likely.  
Other Protection: Not needed for normal use

## Section 9 – Physical and Chemical Properties

Appearance: Reddish Brown Liquid  
Odour: Slight ammonia odour  
Odour Threshold (PPM): N/A  
Physical State: Liquid  
Vapour Pressure (mm Hg): N/A  
Vapour Density (Air = 1): N/A  
Boiling Point (°C): N/A  
Freezing Point (°C): N/A  
Evaporation Rate: N/A  
% Volatile (By Volume): N/A  
Solubility in Water: Complete  
Specific Gravity: 1.25 – 1.27 kg/L  
pH: 7.0-8.0

## Section 10 – Stability and Reactivity

Chemical Stability: Yes  
Incompatibility with Other Substances: No  
Reactivity: Negligible  
Hazardous Decomposition Products: N/A

## Section 11 – Toxicological Information

Recommended Exposure Limit: No recommended exposure limit for this product  
Effects of Acute Exposure: None  
Effects of Chronic Exposure: None  
LD<sub>50</sub> of Material: N/A  
LC<sub>50</sub> of Material: N/A  
Exposure Limit of Material: N/A  
Irritancy of Material: N/A

Sensitization Property of Material: N/A  
Carcinogenicity of Material: N/A  
Reproductive Effects of Material: N/A  
Synergistic Materials: N/A

## **Section 12 – Ecological Information**

May be harmful to aquatic life.

May cause eutrophication of pond and lakes.

## **Section 13 – Disposal Considerations**

Disposal: All disposal practises must be in compliance with all local Federal, Provincial and Municipal laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Turf Logic has no control over the management practises or manufacturing processes of parties handling or using this material. The information presented here pertains only to the product as shipped in its intended condition as described in this document. For unused and uncontaminated product, the preferred options included sending to a licensed, permitted: reclaimer, landfill or wastewater treatment system.

## **Section 14 – Transport Information**

Not classified as dangerous, in the meaning of transport regulations.

Not controlled under DOT (USA) or TDG (Canada).

## **Section 15 – Regulatory Information**

**WHMIS: This SDS has been prepared according to the hazard criteria of the Controlled Product Regulations (CPR) and the SDS contains all of the information required by the CPR.**

## **Section 16 – Other Information**

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**Issue Date: April 9, 2012**

