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## 1. PRODUCT IDENTIFICATION

**Product name:** GreenTree Palm™ Nutriboosters™ 12-4-12

**Chemical Name:** Liquid Fertilizer Solution

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### GUARANTEED ANALYSIS:

Total Nitrogen (N).....	12.00%
2.80% Urea Nitrogen	
2.00% Ammoniacal Nitrogen	
7.20% Water Soluble Nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	4.00%
Soluble Potash (K <sub>2</sub> O) .....	12.00%
Boron (B) .....	0.005%
Copper (Cu).....	0.03%
0.03% Chelated Copper (Cu)	
Iron (Fe).....	1.00%
1.00% Chelated Iron (Fe)	
Magnesium (Mg) .....	3.00%
3.00% Chelated Magnesium (Mg)	
Manganese (Mn) .....	2.00%
2.00% Chelated Manganese (Mn)	
Zinc (Zn) .....	0.05%
0.05% Chelated Zinc (Zn)	

**Derived From:** Urea, Methylene Urea, Potassium Carbonate, Ammonium Polyphosphate, Potassium Humate, Iron EDTA, Manganese EDTA, Manganese EDTA, Magnesium EDTA, Zinc EDTA, Copper EDTA, Boric Acid. Chelating Agent: EDTA

\*7.2 units slowly available Nitrogen from Methylene Urea

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>

## 3. HAZARDS IDENTIFICATION

**INHALATION:** Not expected to be harmful under normal conditions of use, however if allowed to become airborne, may cause irritation of nose, throat and lungs.

**EYE CONTACT:** May cause irritation on prolonged or repeated contact.

**SKIN CONTACT:** May cause irritation on prolonged or repeated contact.

**EFFECTS OF OVEREXPOSURE ACUTE (SHORT TERM EXPOSURE):** Liquid contact may cause slight eye irritation and repeated skin exposure may cause some skin irritation

**CHRONIC (LONG TERM EXPOSURE):** None known

## 4. FIRST AID MEASURES

**Have the product container, label, or Material Safety Data Sheet with you when calling a poison control center or doctor, or going for treatment.**

**Ingestion:** Immediately call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes.

Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin:** Take off contaminated clothing. Immediately rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**Notes to Physician:** No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

## 5. FIRE FIGHTING MEASURES

**Explosion Properties:** Noncombustible

**Flammable Limit:** LEL: N/A UEL: N/A

**Extinguishing Media:** Does Not Burn

**Special Fire Fighting Procedures:** None

**Unusual Fire and Explosion Hazards:** None

**Freezing Point:** 32 Degrees F

**Viscosity:** 1 - 10 cps @ 21 Degrees C

**Flash Point/Method:** Noncombustible

**Vapor Pressure:** N/A

## 6. ACCIDENTAL RELEASE MEASURES

**Action to Take Spills:** Prevent product from entering the drinking water supplies. Collect liquid or solidify with absorbent material and package for disposal according to local, state, and federal regulations.

## 7. HANDLING AND STORAGE

**Precautions to be taken in Handling and Storage:** Keep out of reach of children. Avoid container breakage. Do not ingest. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Wash exposed clothing before reuse. Store in cool, dry area in closed container or pack. Not harmed by freezing. Thaw frozen fertilizer slowly and shake before using. Rotate stock to use oldest first.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Personal Protective Equipment (PPE):** Use safety glasses and chemical resistant gloves when handling this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Clear/Hazy Liquid

**Color:** Green/Amber

**Odor:** Slightly Musty Odor

**Weight Per Gallon:** 11# @ 21 Degrees C

**Storage Life at 70F:** >13 months

**pH — 21C:** 8

**Solubility:** Completely Miscible

**Evaporation Rate:** Same as Water

**Boiling Point:** About 210 Degrees F

**Freezing Point:** 32 Degrees F

**Viscosity:** 1 - 10 cps @ 21 Degrees C

**Flash Point/Method:** Noncombustible

**Vapor Pressure:** N/A



## 10. STABILITY AND REACTIVITY

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**Stability:** Stable under normal conditions

**Conditions to Avoid:** N/A

**Incompatibility (Materials to Avoid):** None known

**Hazardous Decomposition Products:** CO, CO<sub>2</sub>, NH<sub>3</sub>, Aldehydes (including Formaldehyde), particulate matter and other organic compound.

**Hazardous Polymerization:** Does not occur

## 11. TOXICOLOGICAL INFORMATION

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### ACUTE TOXICITY (LETHAL DOSES)

**DERMAL LD<sub>50</sub>:** N/E

**ORAL LD<sub>50</sub>:** N/E

### ACUTE TOXICITY (IRRITATION, SENSITIZATION)

**EFFECTS TO EYES:** No corneal or iridal effects were noted at a dose of 0.1 ml for rabbits

## 12. ECOLOGICAL INFORMATION

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Do not apply directly to water bodies (lakes, rivers, streams) or wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes.

## 13. DISPOSAL CONSIDERATIONS

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This product is likely to have a pH less than 8.5 and would not be considered a federal hazardous waste according to EPA regulation 40CFR 261. Dispose in accordance with state and local regulation.

## 14. TRANSPORT INFORMATION

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**DOT UN STATUS:** This material is not regulated hazardous material for transportation

## 15. REGULATORY INFORMATION

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N/A

## 16. OTHER INFORMATION

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The information provided herein was believed to be accurate at the time of preparation from a compilation of sources believed to be reliable, but is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling, storage, and use of this product and to determine the suitability of the product for its intended use.

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.**

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