

SAFETY DATA SHEET

Plant Food Systems, Inc.

Renew

Section 1—Identification

Product 4-20-22

Manufacturer Plant Food Systems, Inc

Address: 2827 Union Street, Zellwood, FL 32798

Phone: (407) 889-7755 (800) 343-7775

24 Hour Emergency Contact **CHEM TRAC (800) 424-9300**

Uses Liquid Fertilizer

Section 2—Hazard Identification

Hazard Product is not hazardous under normal conditions

Section 3—Composition

Ingredients	Components	CAS. No	Classification
	Urea	57-13-6	Skin Irritant 2 Eye Irritant 2B
	Phosphoric Acid	7664-38-2	Met. Corr. 1 Skin Corr. 1B
	Phosphorous Acid	13598-36-2	Skin Corr. 1B
	Potassium Hydroxide	1310-58-3	Acute Tox. 4 (oral) Skin Corr. 1A
	Ammonia 10%<=conc<25% aqueous solutions	1336-21-6	Skin Corr. 1B

Section 4—First Aid Measures

Inhalation Generally not considered hazardous. If vapors or mist cause irritation or distress, remove to fresh air.

Skin Contact Flush skin thoroughly with water. If irritation persists, get medical attention

Eye Contact Flush Eyes immediately and thoroughly with water for 15 minutes. If Irritation persists get medical attention.

Ingestion If conscious, immediately give large quantities of water and induce vomiting. Seek medical attention.

Chronic Health Hazards No known chronic health hazards. N-P-K solutions are considered to be low health hazards

Section 5—Fire Fighting Measures

Fire Fighting Procedures Water



Section 6—Accidental Release Measure

Personal Precautions Avoid splashing. Prevent exposure to spilled material with the use of proper PPE. Avoid breathing mist or vapor.

Protective Equipment PPE should include gloves, goggles, face shield and level D protective suit.

Section 6—Accidental Release Measure

Containment Contain all spills and leaks to prevent discharge into the environment. If spilled, use appropriate absorbent material to absorb the spilled material and flush spilled area with water.

Section 7—Safe Handling and Storage

Precautions for Safe Handling and Storage Store in a well ventilated cool dry place. Wash thoroughly after handling.
Handling and Storage Avoid overheating or freezing. Do not mix other materials in container.
Incompatibility None determined

Section 8—Exposure Controls/Personal Protection

Phosphoric Acid (7664-38-2)

USA ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³
USA ACGIH	ACGIH STEL (mg/m ³)	3 mg/m ³

Potassium Hydroxide (1310-58-3)

USA ACGIH	ACGIH Ceiling (mg/m ³)	2 mg/m ³
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Ammonia (1336-21-6)

USA ACGIH	ACGIH TWA (ppm)	25 ppm
USA ACGIH	ACGIH STEL (ppm)	25 ppm

Engineering Controls Eyewash facilities should be available
Personal Protective Equipment Eyes-Chemical safety goggles or safety glasses
 Hands-Chemical resistant/impervious gloves
 Respiratory-None required under normal conditions.
Other Information Do not eat, drink, or smoke during use.

Section 9—Physical and Chemical Properties

Appearance and Odor	Amber color no apparent odor		
Boiling Point	Over 200°F	Specific Gravity	1.47
Freezing Point	<32°F	Molecular Weight	N/A
Vapor Density	N/A	Water Reactive	N/A
Gallons per Ton	163	Evaporative Rate	N/A
Solubility in Water	Complete	pH	7.5-8.3
Flash Point	Not Flammable	Flammability	N/A

Section 10—Stability and Reactivity

Reactivity Product is not reactive under normal conditions
Stability Product is stable under normal conditions
Hazardous Reactions Hazardous polymerization will not occur
Conditions to Avoid Elevated temperatures may cause container to rupture
Hazardous Decomposition Products Ammonia

Section 11—Toxicology Information

Routes of Exposure	Inhalation, ingestion, or skin/eye absorption
Symptoms and Signs of Exposure	Eyes & Skin slightly irritating. Inhalation is not generally considered hazardous. Ingestion may cause nausea or vomiting.
Long Term Effects	No known long term effects.
Toxicity	No limits have been set for this material.
Carcinogen	Has not been classified for its carcinogenic potential

Section 12—Ecological Information

Water	Low concentrations are not toxic to fish or other aquatic organisms.
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Section 13—Disposal Considerations

Waste	This material is not considered a hazardous waste. Disposal must be done in accordance with local, state, and federal environmental regulations. Place waste in an appropriate container with correct labeling.
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Section 14—Transport Information

DOT	Material is not hazardous as defined by 49 CFR 172.101 by the US Department of Transportation.
IMDG	This material is not classified as a Dangerous Good per the IMDG Code.

Section 15 — Regulatory Information

United States-SARA Hazardous Category	This product has been reviewed according to the EPA Hazard Categories promulgated under Section 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act (SARA) and is considered, under applicable definitions, to meet the following categories		
Fire-No	Pressure-No	Reactive-No	Chronic-No

Section 16—Other Information

Date of Revision	May 2015 revision prepared in accordance with 29 CFR 1910.1200 Appendix D to meet Global Harmonization Standards.
Disclaimer	The information contained in this SDS refers only to the specific material designated and does not regulate to any process or use with any other material. The information is furnished free of charge and is based on data believed to be accurate and reliable as of the date hereof. It is intended for use by persons possessing technical knowledge at their own discretion and risk. Since actual use is beyond our control, no warranty, expressed or implied, and no liability is assumed by Plant Food Systems, Inc. in conjunction with the use of this information. Nothing herein is to be construed as a recommendation to infringe any patents. Plant Food Systems, Inc. assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.