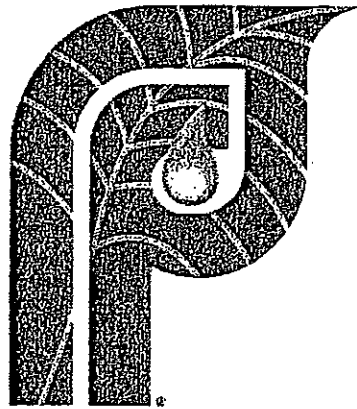


Lawn



PLANT FOOD COMPANY, INC.

The Liquid Fertilizer Experts
 38 Hightstown-Cranbury Station Road
 Cranbury, New Jersey 08512
 Phone: (609) 448-0935
 (800) 562-1291
 Fax: (609) 443-8038
 www.plantfoodco.com
 E-Mail: pfc@plantfoodco.com

50 lb. (22.7 kg)

Net Wt.

Micro

125 SGN

pHusion Calcitic Limestone

Pelletized reacted Calcium Limestone
 that rapidly increases soil pH
 and releases available Calcium

GUARANTEED ANALYSIS

Calcium Carbonate (CaCO ₃)	93.06%
Calcium (Ca)	37.20%
Calcium Carbonate Equivalent (CCE)	95.00%
Magnesium Carbonate (MgCO ₃)	0.04%
Magnesium (Mg)	0.02%
Effective Neutralizing Value (ENV)	91.00%

Derived from Calcium Carbonate

Non-Plant Food Ingredients:

Calcium Lignosulfonate and Lignosulfonic Acid acts as a complexing agent

TYPICAL SIEVE ANALYSIS

PRIOR TO GRANULATION

% Passing (Before Pelletizing)	
90% passing	200 Mesh Sieve
95% passing	100 Mesh Sieve
100% passing	50 Mesh Sieve
100% passing	8 Mesh Sieve
100% passing	4 Mesh Sieve

Typical Properties

Molsture (%) <1.2

pHusion Calcitic Limestone is a calcitic pelletized limestone that is reacted with an organic acid. This unique organic acid is a combination of Calcium Lignosulfonate and Lignosulfonic Acid. pHusion Calcitic Limestone increases the soil pH as much as 4 times faster than conventional limestone products at similar application rates.

When pHusion Calcitic Limestone is dissolved by water, the organic acid accelerates the reaction of releasing available Calcium and neutralizes the hydrogen (H⁺) ions in the soil. The Calcium Lignosulfonate and Lignosulfonic Acid convert the calcium in pHusion Calcitic Limestone into a more soluble form, readily available for plant uptake or pH adjustment. pHusion Calcitic Limestone addresses both

the calcium needs of the plant, as well as the growing media pH. pHusion Calcitic Limestone will help achieve a uniform calcium profile throughout the soil.

Directions for Use:

Tees, Fairways, Sports Turf & Lawns:

To maintain pH, apply 5 lbs. per 1,000 sq. ft. or 200 lbs. per acre of pHusion Calcitic Limestone at least twice per growing season. Follow soil test recommendations.

To adjust soil pH, apply 12 lbs. per 1,000 sq. ft. or 500 lbs. per acre of pHusion Calcitic Limestone. This has the potential to raise the pH up to one full point (5.0 - 6.0) for soils that have a CEC of 10 or less, and to a soil depth of 4 inches. Retest and reapply if needed at this rate.

pHusion Calcitic Limestone is ideal for turf and horticultural application. Always use complete soil tests from a reputable laboratory to determine liming needs.

Caution:

Keep away from children. Avoid contact with eyes, open cuts, or sores. Harmful if swallowed. External: Flood with water. Internal: Induce vomiting. Contact a physician immediately.

Notice and Limitation of Warranty:

The manufacturer and seller warrants that the material conforms to the product description on the label and is reasonably fit for the purpose stated, when used in accordance with the directions. Further, because of critical unforeseeable factors beyond the manufacturer's and seller's control which prevent them from eliminating all risks in connection with the use of fertilizers, the buyer and user acknowledge and assume all risks and liabilities resulting from handling, storage and use of this material. The terms of this notice may not be varied by any verbal or written statement.

Spreader Setting Rates	CYCLONE		SCOTTS		LESCO		LELY		VICON		Bags/Acre
	Setting	Width	Setting	Width	Setting	Width	Setting	Width	Setting	Width	
5 lbs./1,000 sq. ft. or 200 lbs./acre	4.5	14.5	O-P	12	G-H	10.5	7	33	20	25	4 bags
					#16						
12 lbs./1,000 sq. ft. or 500 lbs./acre	5.5	14	U	12	L	10.5	9	33	28	25	10 bags
					#22						

Spreader Settings are an initial guideline for calibrating the spreader

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name: pHusion Calcitic Limestone

Common Name: Pelletized Limestone

Chemical Description: Calcium Carbonate

1.2 Manufactured For: Plant Food Company, Inc.
38 Hightstown-Cranbury Station Road
Cranbury, NJ 08512

Emergency Telephone Number: 609-448-0935
Telephone Number for Information: 609-448-0935
Date Prepared: 6/1/2007

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical)

Identity: Common Name	(CAS #)	OSHA PEL	ACGIH TLV	Other Limits Recommended
Calcium Carbonate	471-34-1	N/A	N/A	N/A
Wood Chemicals	8061-52-7, 8062-15-5	N/A	N/A	N/A

SECTION 3: HAZARDS IDENTIFICATION

Grey to brown granule with slight odor. May cause eye and skin irritation. May be harmful if ingested. Carbon monoxide fumes may form from burning. Not D.O.T. regulated

NEPA: Health:1 Reactivity:0 Flammability:0 Environment:0 (0=Insignificant=1 Slight 2=Moderate 3=High 4=Extreme)

EMERGENCY OVERVIEW

This material is not a 'health hazard' or a "physical hazard" as determined when reviewed according to the requirements of the Occupational Safety and Health Administration Hazard Communication Standard, 20 CFR 1910.1200

SECTION 4: FIRST AID MEASURES

4.1 EYES: Flush immediately with plenty of water for at least 15 minutes while holding eyelids apart to ensure complete irrigation of all eye and lid tissue. If irritation occurs, seek medical attention.

4.2 SKIN: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation persists.

4.3 INGESTION: If conscious and alert, administer water or milk to dilute. Call Poison Control Center or physician immediately. Do not give anything by mouth to an unconscious person.

4.4 INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth and get medical attention.

SECTION 5: FIREFIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

FLASHPOINT: NOT FLAMMABLE **METHOD USED:** Closed Cup/NONCOMBUSTIBLE

5.2 FLAMMABLE LIMITS: LFL: NA UFL: NA

5.3 EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical, or water fog.

5.4 FIRE & EXPLOSIVE HAZARDS:

5.5 FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus, pressure demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 SMALL RELEASES: Contain product. Reuse material if uncontaminated. If contaminated, sweep, shovel or vacuum material into a suitable container for proper disposal. Do not contaminate water supplies.

6.2 WASTE DISPOSAL METHOD: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING: Avoid contact with eyes. Use only in a well ventilated area. Wash thoroughly after handling. Avoid prolonged or repeated breathing of vapors. Avoid prolonged or repeated contact with the skin.

7.2 STORAGE: Store in original container only in a cool, well-ventilated, dry place. Do not store near food or feeds.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

8.1 RESPIRATORY PROTECTION: Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M#8710). Ventilation: Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA app

8.2 SKIN PROTECTION: Neoprene rubber gloves and apron should be worn to prevent repeated or prolonged contact(dust). Wash contaminated clothing prior to reuse.

8.3 EYE PROTECTION: Chemical goggles and a full face shield. **DO NOT WEAR CONTACT LENSES.**

MATERIAL SAFETY DATA SHEET

pHusion Calcitic Limestone

8.4 EXPOSURE GUIDELINES:	TWA	STEL
OSHA	N/A	N/A
ACGIH	N/A	N/A

8.5 ENGINEERING CONTROLS: Use adequate exhaust ventilation to prevent inhalation of product vapors.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE	Gray to brown granule
9.2 ODOR:	Slight Lignin Odor
9.3 VAPOR PRESSURE:	None
9.4 VAPOR DENSITY:	None
9.5 SOLUBILITY IN WATER:	Low
9.6 SPECIFIC GRAVITY (H ₂ O = 1):	0.85
9.7 MELTING POINT:	None
9.8 pH:	
9.9 VOLATILE:	
9.10 COLOR:	Grey to Brown
9.11 WEIGHT PER GALLON:	N/A
9.12 STORAGE LIFE AT 70° F:	
9.13 PH-21C:	
9.15 VISCOSITY:	
9.16 FREEZING POINT:	N/A
9.17 EVAPORATION RATE:	None
9.18 BOILING POINT:	Decomposes @ 1649° F

SECTION 10: STABILITY AND REACTIVITY

- 10.1 STABILITY: Stable
- 10.2 HAZARDOUS POLYMERIZATION: Will not occur.
- 10.3 HAZARDOUS DECOMPOSITION PRODUCTS: Burning may result in formation of carbon monoxide fumes
- 10.4 INCOMPATIBILITY: Not Available

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 ORAL: May cause stomach cramps and/or nausea.
- 11.2 DERMAL: May cause slight irritation, especially from prolonged exposure. May cause redness.
- 11.3 INHALATION: None expected but inhalation may cause mild irritation of nasal mucous membranes.
- 11.4 CHRONIC/CARCINOGENICITY: Not a carcinogen
- 11.5 TERATOLOGY: Data not available
- 11.6 REPRODUCTION: Data not available
- 11.7 MUTAGENICITY: Data not available
- 11.8 EYES: Considered an Irritant Characteristic of mild organic acids.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Alga/Lemna Growth Inhibition: Not known.
- 12.2 Toxicity to Fish and Invertebrates: Not known
- 12.3 Toxicity to Plants: Not known
- 12.4 Toxicity in Birds: Not known

SECTION 13: DISPOSAL CONSIDERATIONS

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Collect and reuse clean materials. Dispose of waste materials only in accordance with applicable federal, state, and local laws and regulations

SECTION 14: TRANSPORTATION INFORMATION

D.O.T.	Not D.O.T. Regulated
Other Shipping Description:	Label as required by the OSHA Hazard Communication standard (29 CFR 1910.1200(f)), and applicable state and local regulations

SECTION 15: REGULATORY INFORMATION

- 15.1 CERCLA: None

SECTION 16: OTHER INFORMATION

This information was developed from information on the constituent materials. No warranty is expressed or implied regarding the completeness or continuing accuracy of the information contained herein, and Plant Food Company, Inc. disclaims all liability for reliance thereon. The user should satisfy himself that he has all current data relevant to his particular use.

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name:	pHusion Calcitic Limestone		
Common Name:	Pelletized Limestone		
Chemical Description:	Calcium Carbonate		
1.2 Manufactured For:	Plant Food Company, Inc. 38 Hlghtslown-Cranbury Station Road Cranbury, NJ 08512	Emergency Telephone Number	609-448-0935
		Telephone Number for Information	609-448-0935
		Date Prepared	11/1/2011

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical)

Identify: Common Name	(CAS #)	OSHA PEL	ACGIH TLV	Other Limits Recommended
Calcium Carbonate	0	N/A	N/A	N/A

SECTION 3: HAZARDS IDENTIFICATION

Grey to brown granule with slight odor. May cause eye and skin irritation. May be harmful if ingested. Carbon monoxide fumes may form from burning. Not D.O.T. regulated

NEPA: Health:1 Reactivity:0 Flammability:0 Environment:0 (0=Insignificant=1 Slight 2=Moderate 3=High 4=Extreme)

EMERGENCY OVERVIEW

This material is not a "health hazard" or a "physical hazard" as determined when reviewed according to the requirements of the Occupational Safety and Health Administration Hazard Communication Standard, 20 CFR 1910.1200

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4.2 SKIN: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation persists.

4.3 INGESTION: If conscious and alert, administer water or milk to dilute. Call Poison Control Center or physician immediately. Do not give anything by mouth to an unconscious person.

4.4 INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth and get medical attention.

SECTION 5: FIREFIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

FLASHPOINT: NOT FLAMMABLE **METHOD USED:** Closed Cup/NONCOMBUSTIBLE

5.2 FLAMMABLE LIMITS: LFL: NA UFL: NA

5.3 EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical, or water fog.

5.4 FIRE & EXPLOSIVE HAZARDS:

5.5 FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus, pressure demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 SMALL RELEASES: Contain product. Reuse material if uncontaminated. If contaminated, sweep, shovel or vacuum material into a suitable container for proper disposal. Do not contaminate water supplies.

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SECTION 7: HANDLING AND STORAGE

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7.2 STORAGE: Store in original container only in a cool, well-ventilated, dry place. Do not store near food or feeds.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

8.1 RESPIRATORY PROTECTION: Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/moist respirator (such as 3M#8710). Ventilation: Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA app

8.2 SKIN PROTECTION: Neoprene rubber gloves and apron should be worn to prevent repeated or prolonged contact(dust). Wash contaminated clothing prior to reuse.

8.3 EYE PROTECTION: Chemical goggles and a full face shield. **DO NOT WEAR CONTACT LENSES.**

8.4 EXPOSURE GUIDELINES:

	TWA	STEL
OSHA	N/A	N/A
ACGIH	N/A	N/A

8.5 ENGINEERING CONTROLS: Use adequate exhaust ventilation to prevent inhalation of product vapors.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE	Grey to brown granule
9.2 ODOR:	Slight Lignin Odor
9.3 VAPOR PRESSURE:	None
9.4 VAPOR DENSITY:	None
9.5 SOLUBILITY IN WATER:	Low
9.6 SPECIFIC GRAVITY (H ₂ O = 1):	0.85
9.7 MELTING POINT:	None
9.8 pH:	N/A
9.9 VOLATILE:	N/A
9.10 COLOR:	Grey to Brown
9.11 WEIGHT PER GALLON:	N/A
9.12 STORAGE LIFE AT 70° F:	> 1 Year
9.13 PH-21C:	N/A
9.15 VISCOSITY:	N/A
9.16 FREEZING POINT:	N/A
9.17 EVAPORATION RATE:	None
9.18 BOILING POINT:	Decomposes @ 1649° F

SECTION 10: STABILITY AND REACTIVITY

- 10.1 STABILITY: Stable
- 10.2 HAZARDOUS POLYMERIZATION: Will not occur.
- 10.3 HAZARDOUS DECOMPOSITION PRODUCTS: Burning may result in formation of carbon monoxide fumes
- 10.4 INCOMPATIBILITY: Not Available

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 ORAL: May cause stomach cramps and/or nausea.
- 11.2 DERMAL: May cause slight irritation, especially from prolonged exposure. May cause redness.
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- 11.6 REPRODUCTION: Data not available
- 11.7 MUTAGENICITY: Data not available
- 11.8 EYES: Considered an irritant Characteristic of mild organic acids.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Algal/Lemna Growth Inhibition: Not known.
- 12.2 Toxicity to Fish and Invertebrates: Not known
- 12.3 Toxicity to Plants: Not known
- 12.4 Toxicity in Birds: Not known

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15.1 CERCLA: None

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