



A Premium Formula of
Natural & Organic Ingredients
Fortified with UFLEXX™

21-3-7
Blended with UFLEXX™

Coarse Grade

Net Wt. 50 Lbs.

SGN: Super Fine 90-100 • Fine 130-140 • Coarse 220-230

GUARANTEED ANALYSIS

Total Nitrogen (N)	21.0%
0.01% Ammoniacal Nitrogen	
18.20% Urea Nitrogen*	
2.10% Water Insoluble Nitrogen**	
0.69% Other Water Soluble Nitrogen	
Available Phosphate (P ₂ O ₅)	3.0%
Soluble Potash (K ₂ O)	7.0%
Calcium (Ca)	2.0%
Sulfur (S)	2.0%
2.0% Combined Sulfur	

Source of Nutrients:

Urea, meat meal, bone meal, sulfate of potash and blood meal.

*This product contains 18.2% Stabilized Nitrogen with Dicyandiamide and N-(n-butyl) thiophosphoric triamide.

**This product contains 2.1% Water Insoluble Nitrogen from meat meal.

General Information:

Nature Safe 21-3-7 combines the value, nutrition and efficiency of Nature Safe Natural & Organic Fertilizers with the fertilizer efficiency of stabilized nitrogen found in UFLEXX™. The result is a turf and landscape fertilizer with an emphasis on efficiency and cost-effectiveness. This is a blended product with 60% Nature Safe (with Sulfate of Potash) and 40% UFLEXX. The Nature Safe component is constructed of various pet food grade proteins such as meat, bone and blood meals that provide slow release nitrogen to the plant for 7-8 weeks. UFLEXX is a combination of urea, a urease inhibitor (NBPT) and a nitrification inhibitor (dicyandiamide), which provides nitrogen over 6-8 weeks while reducing nitrogen loss due to leaching, volatilization and denitrification. With an SGN of 230, Nature Safe 21-3-7 is a low-cost alternative for fairway, landscape and lawncare applications.

Directions for Use:

Established Turfgrass: Apply 2.4 to 4.8 lbs. per 1,000 sq. ft. (0.5 to 1 lb. of actual Nitrogen per 1,000 sq. ft.). Three to four applications per year are recommended. Covers 10,500 to 21,000 sq. ft.

Coarse grade: Suggested for use on turf mowed at heights over 1/2".

Griffin Industries • 4221 Alexandria Pike • Cold Spring, KY 41076
• (800) 252-4727 • Fax (859) 572-2574 • www.naturesafe.com •



A Premium Formula of Natural & Organic Ingredients Blended with UFLEXTM

21-3-7

Blended with UFLEXTM

Coarse Grade

Guaranteed Analysis

Table with 2 columns: Component and Percentage. Includes Total Nitrogen (N), Available Phosphate (P2O5), Soluble Potash (K2O), Calcium (Ca), and Sulfur (S).

Derived From

Urea, meat meal, bone meal, sulfate of potash and blood meal.

*This product contains 18.2% Stabilized Nitrogen with Dicyandiamide and N-(n-butyl) thiophosphoric trimide.

**This product contains 2.1% Water Insoluble Nitrogen from meat meal.

Directions for Use

Apply 2.4 - 4.8 lbs. per 1,000 sq. ft. (1.35 kg to 2.7 kg per 100 m²) for 0.50 - 1.0 lb. actual N per 1,000 sq. ft. Results are enhanced if used during aeration.

Table with 7 columns: Amount, Scotts R8, Scotts 2000, Lesco, Prizelawn, Vicon, Lely. Rows for 1/2 Lb. and 1 Lb.

The spreader settings are conservative and should only be used as a guide for calibrating your spreader. Ground speed for Vicon and Lely settings was 4.5 mph.

General Information

The 0.7% of Water Soluble Nitrogen of Nature Safe 21-3-7 will provide green-up in 7-10 days. The 2.1% Water Insoluble Nitrogen will release Nitrogen over 7-8 weeks. The 18.2% Urea Nitrogen of UFLEXTM is stabilized and will release over 6-8 weeks.

UFLEXTM is a registered trademark of Agrotain International.

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

Sports Turf Directions for Use for Phosphate and Nitrogen:

See documents SL191, Recommendations for N, P, K & Mg for Golf Courses & Athletic Field Fertilization Base on Mehlich I Extractant (http://edis.ifas.ufl.edu/SS404) or BMP's for Enhancement of Environmental Quality on Florida's Golf Courses (http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/gfbmp07.pdf).

Lawn Maintenance Companies Directions for Use for Phosphate and Nitrogen:

See document Best Management Practices for Protection of Water Resources in Florida, June 2002, Florida Green Industries (http://www.dep.state.fl.us/central/Home/MeetingsTraining/FLGreen/BMP_Book_fin al.pdf).

Lawn/Garden Directions for Use for Phosphate and Nitrogen:

Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn/garden, and sweep any product that lands on the driveway, sidewalk, or street, back onto your lawn/garden.

Manufactured By: Griffin Industries LLC 4221 Alexandria Pike Cold Spring, KY 41076, U.S.A (800) 252-4727 www.naturesafe.com

50 LBS. (22.68 Kg)

Covers 20,000 Sq. Ft. Based on 0.5 lb. of "N" per 1,000 Sq. Ft.

Do Not Feed to Animals

Material Safety Data Sheet
Identity: Nature Safe 21-3-7 with UFLEXX™
Section I - General Information

Manufacturer's Name: Nature Safe Natural & Organic Fertilizers, A Division of Griffin Industries LLC Emergency Telephone Number: (859) 472-7363
4221 Alexandria Pike
Cold Spring, KY 41076 Telephone Number for Information: (859) 472-7363

Date Prepared: 3/19/05
Signature of Preparer: Tom Dobbs

Section II - Hazardous Ingredients/Identity Information

Hazardous Components - Contains no Hazardous Components as described in the Hazard Communication Standard
Substance - Natural Organic Fertilizer CAS Number: N/A
Trade Names - Nature Safe, Nature Safe 21-3-7 with UFLEXX™
Chemical Family: Proteinaceous Organic Animal Byproduct plus Mineral Additive
Molecular Formula: N/A Molecular Weight: N/A

Components and Contaminants

Components:	Animal Byproducts	Percent:	33-60%
	Polyurethane-coated Urea (43% Nitrogen)		33%
	Mineral Additives		4-13%
	Vegetable Products		1-6%
Other Contaminants:	None		

Section III - Physical/Chemical Characteristics

Boiling Point: Decomposes	Specific Gravity (H ₂ O = 1): 0.50 avg.
Vapor Pressure (mm Hg): N/A	Melting Point: Decomposes
Vapor Density (Air = 1): N/A	Evaporation Rate: 0 (Butyl Acetate = 1)

Solubility in Water: Partly Soluble to Insoluble
Appearance and Odor: Tan to Dark Brown Particles Blended with Greenish Blue Coated Particles, Characteristic Odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): None, Decomposes
Flammable Limits: N/A LEL: N/A UEL: N/A
Extinguishing Media: Type A or B
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: Product will decompose under fire conditions. Decomposition products may be toxic.

Section V - Reactivity Data

Reactivity: Stable
Conditions to Avoid: Avoid contact with ammonium nitrate fertilizers
Incompatibility (Materials to Avoid): Keep separate from any product containing ammonium nitrate
Hazardous Decomposition or Byproducts: Thermal degradation may produce cyanuric acid, cyanic acid, biuret, ammonia, hydrogen cyanide, carbon dioxide and nitrogen oxides
Hazardous Polymerization: Will Not Occur

Section VI - Health Hazard Data

Inhalation: N/A
Skin Contact: N/A
Eye Contact: N/A
Ingestion: N/A
Emergency and First Aid Procedures: Wash well after handling.
OSHA Regulated: No

Section VII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:
 Small Spills: Sweep up spills, if uncontaminated collect and reuse as recommended for product
 Large Spills: Same
Disposal: Send to sanitary landfill or contact Griffin Industries LLC concerning reprocessing.
Precautions To Be Taken in Handling and Storing: Avoid contact with ammonium nitrate fertilizers
Other Precautions: This product is a plant food. However, large spills could possibly kill vegetation or cause illness in animals. Contamination of waterways may cause fish kills. Prevent large quantities from contacting vegetation or waterways. Keep animals away from large spills.

Section VIII - Control Measures

Respiratory Protection - None required for normal use
Ventilation - Local or general
Protective Gloves - None required
Eye Protection - Safety glasses while handling bulk quantities
Other Protective Clothing or Equipment - No protection normally required
Work/Hygienic Practices - Wash well after handling

The information provided is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.