



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

27-2-2
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)	27.0%
0.05% Ammoniacal Nitrogen	
23.00% Urea Nitrogen*	
3.30% Water Insoluble Nitrogen**	
0.65% Other Water Soluble Nitrogen	
Available Phosphate (P ₂ O ₅)	2.0%
Soluble Potash (K ₂ O)	2.0%
Calcium (Ca)	2.0%

Source of Nutrients:

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

*This product contains 23.0% Stabilized Nitrogen with Dicyandiamide and N-(n-butyl) thiophosphoric triamide.

**This product contains 3.3% Water Insoluble Nitrogen from meat meal.

General Information:

Nature Safe 27-2-2 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 50% Nature Safe (with Sulfate of Potash) and 50% UFLEXX. The Nature Safe component is constructed of various animal 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 27-2-2 is a low-cost alternative for fairway, rough, landscape and lawncare applications.

Directions for Use:

Established Turfgrass: Apply 1.85 to 3.7 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 13,500 to 27,000 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 •

Nature Safe® is a Division of Griffin Industries LLC

SPEC-11



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Blended with UFLEXTM

27-2-2
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Coarse Grade

Guaranteed Analysis

Total Nitrogen (N)	27.0%
0.05% Ammoniacal Nitrogen	
23.00% Urea Nitrogen*	
3.30% Water Insoluble Nitrogen**	
0.65% Other Water Soluble Nitrogen	
Available Phosphate (P ₂ O ₅)	2.0%
Soluble Potash (K ₂ O)	2.0%
Calcium (Ca)	2.0%

Derived From

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

*This product contains 23.0% Stabilized Nitrogen with Dicyandiamide and N-(n-butyl) thiophosphoric trimide.

**This product contains 3.3% Water Insoluble Nitrogen from meat meal.

Directions for Use

Apply 1.85 - 3.7 lbs. per 1,000 sq. ft. for 0.50 - 1.0 lb. actual N per 1,000 sq. ft.
Results are enhanced if used during aeration.

Amount	Scotts R8	Scotts 2000	Lesco	Prizelawn	Vicon	Lely
1/2 Lb.	J	J	G	L	18-25'	4-25'
1 Lb.	L	L	J	N	26-25'	5-25'

The spreader settings are conservative estimates 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 27-2-2 will provide green-up in 7-10 days. The 3.3% Water Insoluble Nitrogen will release Nitrogen over 7-8 weeks. The 23% 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_final.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 27,000 Sq. Ft.
Based on 0.5 lb. of "N" per 1,000 Sq. Ft.

Do Not Feed to Animals

F1024

Material Safety Data Sheet
Identity: Nature Safe 27-2-2 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: 4/10/09
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 27-2-2 with UFLEXX™
Chemical Family: Proteinaceous Organic Animal and Vegetable Byproduct plus Mineral Additive
Molecular Formula: N/A Molecular Weight: N/A

Components and Contaminants

Components:	Percent	CAS No.
Urea	50-60%	57-13-6
Vegetable Byproducts	15-25%	
Animal Byproducts	15-25%	68131-124
Sulfate of Potash	3-6%	7778-80-5
Organic Nitrogen (dicyandiamide)	Proprietary	461-58-5
N-(n-Butyl)-thiophosphoric triamide	Proprietary	94317-64-3

Section III - Physical/Chemical Characteristics

Boiling Point: Decomposes Specific Gravity (H₂O = 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 and produce oxides of carbon, nitrogen and sulfur.

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: At high dust concentrations may cause mucus membrane irritation.
Skin Contact: If irritation occurs wash thoroughly with soap and water.
Eye Contact: Dust may be irritating to the eyes at high concentrations. In cases of contact flush eyes with plenty of water.
Ingestion: Call Poison Control Center or physician and follow their advice.
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.