

READ THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT.

Always read and follow label directions.

At 20° C the Specific Gravity = 1.16 and the Weight per liter = 1.16 kg / L

DIRECTIONS FOR USE

WARNING

Read the entire label before use. Use according to label directions. Read the entire **Conditions of Sale and Limitation of Warranty** before buying or using this product. Always wear proper personal protection; use Neoprene gloves (Ansell Edmont Neox Number 9-912) or equivalent, long sleeves, long pants, and chemical splash goggles when handling NEON SOIL™ nitrogen stabilizer.

GENERAL INFORMATION

NEON SOIL™ nitrogen stabilizer with PENXCEL™ technology is a uniquely formulated fertilizer additive for urea and urea ammonium nitrate (UAN) fertilizers. NEON™ represents a family of products that combine two high concentrated actives for Triple action control of Nitrogen loss.

This nitrogen stabilizer is combined with urea or urea containing fertilizers prior to application. The combination, recognized as an enhanced efficiency fertilizer, is designed for surface applications where residue, rainfall or irrigation is significant. It helps create an efficient nitrogen source for all crops, turf and forestry.

Protect this product from freezing.

NEON SOIL™ nitrogen stabilizer is not to be used in combination with other formulated Dicyandiamide or N-(n-butyl) thiophosphoric triamide (NBPT) containing product in any proportion on urea, fertilizer blends, or in liquid fertilizers without the express written permission of Eco Agro Resources.

USE RATE

NEON SOIL™ nitrogen stabilizer is supplied as a 30% by weight active ingredient solution of Dicyandiamide (DCD) and a 5% by weight active ingredient solution of N-(n-butyl) thiophosphoric triamide (NBPT).

General rate recommendations are based on average conditions. Rates may be adjusted higher as needed based on the field conditions, including the following:

- 1) Soil pH- Values higher than 7.0 pose risk of higher potential for volatility
- 2) Days of Control Needed: 0.8 inches of rain or irrigation are required to move urea into the soil.
- 3) Residue Level-Residues in excess of 30% present higher levels of urease and higher volatility can be expected.

USE RATE PER TONNE FERTILIZER

FERTILIZER	LITERS/TONNE
Urea	3-5
UAN	1.5-2.5

UREA APPLICATION

Ensure operators are wearing proper personnel protection (see above).

Blending area must be well ventilated with large volumes of air exchange. NIOSH/MSHA approved organic/mist respirators may be required if there is insufficient ventilation.

Minimize temperature and humidity extremes when blending. Extremes may result in urea particles sticking together creating problems with uniform coverage. Small amounts of drying agents may be used as deemed appropriate for local conditions. The use of such products is based upon the blender's experience with such agents.

Equipment Required

A fertilizer blender or other suitable rotary device is suitable for uniform blending of urea and NEON SOIL™ nitrogen stabilizer. Ensure that all surfaces of the blender that come into contact with materials are clean, dry and rust-free.

Blending Procedure

Accurately weight all materials in the blend formula.

Add urea first to the blender. NEON SOIL™ nitrogen stabilizer should be blended with the urea before introducing any other fertilizer components.

Apply NEON SOIL™ nitrogen stabilizer to urea in blender by suitable method and allow sufficient time to produce a uniformly blended product. Dye is added to the product to act as an indicator of uniform blending.

Urea Storage

Treated urea can be stored up to six weeks without significant degradation, but it is recommended to use treated fertilizer as soon as possible.

Granular dry urea treated with NEON SOIL™ stabilizer is suitable for longer-term storage in sealed plastic bags. Research shows stabilized fertilizer packaged in sealed bags may be stored up to 9 months between 19° C and 25° C.

UAN APPLICATION

Ensure operators are wearing proper personnel protection (see above).

Blending procedure

Fill the blend unit half full with UAN solution.

Add NEON SOIL™ nitrogen stabilizer at the appropriate rate for the entire load and mix.

Add the remaining UAN solution and mix thoroughly prior to the addition of any surfactants, pesticides or any other materials.

Compatibility

Perform a jar test with any additional products to evaluate compatibility before mixing. Note that Glyphosate herbicides may cause an increase in the rate of degradation of NBPT. Apply these blends soon after mixing.

UAN Storage

The half-life of NEON SOIL™ nitrogen stabilizer in UAN solutions is dependent upon components used and storage conditions. It is estimated that acceptable performance could be expected up to 10 weeks when stored at 25° C.

HANDLING, STORAGE, DISPOSAL

HANDLING

Wear appropriate personal protective equipment. Avoid exposure, the generation and spreading of dust, and the breathing of mist/vapours/spray. Wear eye and face protection. Hand and open containers with care. Wash before eating, drinking and/or smoking. Any clothing soiled by the product should be properly laundered before reuse.

STORAGE

Use case in the handling/storage of this product. Store in tightly closed original container in a well-ventilated place. Store in accordance with local/regional/national/international regulations. Keep away from food, drink and animal feeding stuffs.

Keep out of the reach of children.

Avoid freezing. No degradation of active ingredient will occur with the product that has been frozen.

Avoid contact with water.

Store at temperatures between 0°C and 38°C. If the product is subjected to temperatures below 0°C for an extended period of time, it will become gel-like. Should this occur, move product to a warm location where the inside temperature of the product can be brought about 14°C. At this point the product will return to its normal liquid state. Following these procedures, the product may be used normally. Avoid prolonged high temperatures. Long-term storage at temperatures above 36°C, and long-term storage of open containers may cause product to degrade.

Store below 36°C and use opened containers within 30 days; carefully reseal all opened containers to avoid moisture. Always use oldest stock first.

DISPOSAL

Dispose according to federal, state, provincial and local regulations. Dispose of containers after rinsing. Offer empty containers for (i) recycling, (ii) reconditioning, or (iii) dispose in a landfill or by other procedures approved by relevant authorities.

GENERAL USE PRECAUTIONS

Do not apply to feedstuffs or surfaces where animals will feed or drink.

NOT A FERTILIZER SUBSTITUTE

NOT RECOMMENDED FOR FEED APPLICATION

Observe all precautions on label and read material safety data sheet before use. Do not apply directly to water. Avoid contaminating waterways and sewers during cleaning of equipment, disposal of wastes. Use and disposal of all materials must be in accordance with all applicable provisions of local, provincial and federal laws and regulations.

INHERENT RISKS OF USE AND LIMITATION OF LIABILITY

CONDITIONS OF SALE AND LIMITATION OF WARRANTY

Seller warrants that this product conforms with its specifications and is reasonably fit for the purposes stated on the label when used in accordance with its directions under normal conditions of use. To the extent permitted by applicable law, buyer assumes the risk of any use contrary to such directions. Seller makes no other **expressed** or implied warranty of fitness or merchantability and no agent or reseller is authorized to do so except by Seller in writing with a specific reference to this warranty. To the extent consistent with applicable law, in no event shall Seller's liability for any breach of warranty exceed the purchase price of the material on which claim is made.

NET WEIGHT 1160 kg

Manufactured by Eco Agro Resources, LLC.
603-C Eastchester Drive, High Point, NC 27262

ECO AGRO RESOURCES™, N YIELD™, PENXCEL™ and their respective logos are trademarks of Eco Agro Resources, LLC.
US Patents Pending. Patent Pending Application Number: 20140090432, 2015143860 A1

1000 L



NEON SOIL

NITROGEN STABILIZER



CONTAINS

N-(n-butyl) thiophosphoric triamide (NBPT) CAS No: 94317-64-3
Dicyandiamide (DCD) CAS No: 461-58-5

NEON SOIL™ is supplied as a 30% active solution by weight of Dicyandiamide (DCD) and a 5% active solution by weight of N-(n-butyl) thiophosphoric triamide (NBPT).

HAZARD STATEMENTS

Causes serious eye damage. Causes skin irritation. May cause respiratory irritation. Possible risk of impaired fertility.

PRECAUTIONARY STATEMENTS

Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye and face protection. Avoid breathing mist, vapours, sprays or gas.

IF IN EYES: Rinse cautiously with water for several minutes. If present and easy to do, remove contact lenses and continue rinsing eyes. Immediately seek medical attention.

IF EXPOSED OR CONCERNED: Get medical advice.

Supplemental label information: Restricted to professional users.

For Chemical Emergency: Call CHEMTREC day or night.

USA and Canada: 1-800-424-9300

Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

PROTECT FROM FREEZING - NOT A FERTILIZER SUBSTITUTE

