

Cavalry™ Top Down

Cavalry™ Top Down is a fertilizer additive for Urea and Urea Ammonium Nitrate (UAN) to minimize nitrogen losses by reducing ammonia volatilization, leaching and denitrification.



HAZARD STATEMENTS

Combustible Liquid. Causes serious eye damage. Suspected of damaging fertility or the unborn child.

PRECAUTIONARY STATEMENTS

Prevention:

Obtain special instruction before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves/eye protection/face protection.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF exposed or concerned: Get medical advice/attention.

Other hazards which do not result in classification:

Repeated or prolonged contact with skin may cause dermatitis. May cause garlic-like odor of the breath, a bluish-purple discoloration of skin, or an excess of methemoglobin in blood.

SUPPLEMENTAL LABEL INFORMATION:

Restricted to professional users. Do not apply directly to soil, always mix with fertilizer for application.

Guaranteed Minimum Analysis

17%... N-(n-butyl)-thiophosphoric triamide (NBPT)
(CAS RN 94317-64-3)
23%..... Dicyandiamide (DCD)
(CAS RN 461-58-5)
Other WHMIS Hazardous Ingredients and Impurities
50-60%..... Methane, 1-1'-sulfinylbis
(CAS RN 67-68-5)

For Chemical Emergency:

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC 800-424-9300 within the United States and Canada, or 703-527-3887 for international collect calls.

DIRECTIONS FOR USE

Read entire document before use, including the “Limited Warranty/Limitation of Liability” and “Warranty Disclaimer” at the end of the label. If the terms are unacceptable, return at once unopened to place of purchase. Use only according to label directions. Always wear appropriate personal protective equipment. Observe all precautions and read safety data sheet (SDS) before use. Always adhere to applicable provisions of Federal, State, provincial, and local laws and regulations.

KEEP OUT OF REACH OF CHILDREN

Application Rates: Cavalry Top Down is a nitrogen stabilizer specific for urea and UAN liquid fertilizers. The product is recommended for surface application of urea and urea containing fertilizers such as pre-plant, pre-emergence, side-dress, top-dress, broadcast, or other post-planting applications. The benefit of Cavalry Top Down as a urease and nitrification inhibitor is a result of its ability to retard the hydrolysis of urea and control volatility, preventing ammonia loss while the urea is on the soil surface, as well as to prevent ammonium loss in the form of nitrates or nitrous oxide by runoff or denitrification.

Many factors in the environment contribute to volatilization. These factors should be considered when choosing the appropriate rate:

1. High soil moisture
2. Drying conditions (sun, wind, and humidity)
3. High temperatures
4. High soil pH
5. Length of control needed

Cavalry Top Down recommended use rate:

UREA	3 qt/ton UREA
UAN	1.5 qt/ton UAN
Liquid Manure	8-32 oz/A

For UAN use:

Fill spray tank half full of UAN and add Cavalry Top Down directly to the UAN solution and agitate. Allow agitation to continue while adding remainder of UAN until thoroughly mixed into complete solution with Cavalry Top Down.

For Blending with UREA:

Equipment Requirement

1. Fertilizer blender or other suitable equipment for blending the urea prills or granules with Cavalry Top Down.
2. Scale to weigh materials accurately.
3. A rotary device that can tumble the urea and allow for uniform contact with product.

Process:

1. Wear appropriate personal protection equipment according to the SDS.
2. Weigh the urea and transfer to blending vessel.
3. Apply the desired quantity of Cavalry Top Down to the blender. A dye is incorporated in the product to assist in evaluating the uniformity of coverage.
4. Under certain temperature and humidity conditions, coated urea may become tacky, an addition of a drying agent is recommended in such an event.

Storage

Keep packaging closed, securely fastened and upright. Store away from food, drink and animal feed. Long-term storage temperatures above 100°F (38°C) and long-term storage of open containers may cause the product to degrade, and release harmful gases. Store between 14°F (-10°C) and 100°F (38°C). Rotate stock, so that oldest product is used first.

NBPT & DCD Nitrogen Stabilizer

Disposal

Dispose of contents/container to an approved waste disposal plant.

Conditions of Sale and Warranty Limitation: The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of Sabre Initiatives, LLC or the seller. All such risks shall be assumed by the buyer. Sabre Initiatives, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. Sabre Initiatives, LLC makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty. In no case shall Sabre Initiatives, LLC or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. Sabre Initiatives, LLC and the seller offer this product, and the Buyer and the User accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Sabre Initiatives, LLC.

NET CONTENTS: 250 gallons (946 L)
NET WEIGHT: 2,417.5 lbs (1096.5 kg)
9.67 lbs/gallon at 60° F



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Always read and follow label directions.

