

# VOLTERRA™

VOLTERRA IS A FERTILIZER ADDITIVE FOR UREA AND UREA AMMONIUM NITRATE (UAN),  
TO MINIMIZE NITROGEN LOSSES BY REDUCING AMMONIA VOLATILIZATION, LEACHING AND DENITRIFICATION.

**THIS PRODUCT IS NOT A PLANT FOOD**

## NON-PLANT FOOD INGREDIENT(S)

### ACTIVE INGREDIENT(S):

20% Dicyandiamide<sup>1</sup>

20% N-(n-butyl)-thiophosphoric triamide<sup>2</sup>

**60% INERT INGREDIENT(S):**

**100% TOTAL**

<sup>1</sup> DCD; CAS No 461-58-5

<sup>2</sup> NBPT; CAS No 94317-64-3

### HAZARD STATEMENTS

May cause an allergic skin reaction.

Causes serious eye damage.

May cause respiratory irritation.

May damage fertility or the unborn child.

### PRECAUTIONARY STATEMENTS

#### General:

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

#### Prevention:

Obtain special instruction before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/eye protection/face protection.

Avoid breathing fume/gas/mist/vapours/spray.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing must not be allowed out of the workplace.

#### Response:

Call a poison center/doctor/physician if you feel unwell.

**IF ON SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs:

Get medical advice/attention.

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. If exposed or concerned: Get medical advice/attention.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

In case of emergency call CHEMTREC 1-800-424-9300



**KEEP OUT OF REACH OF CHILDREN  
DANGER**



**NET CONTENTS: 2.5 Gal (9.46 L)**

**NET WEIGHT: 24.0 lbs (10.9 kg)**

**DENSITY: 9.6 lb/gal @ 68 °F**

Distributed By:

**INNICTIS® Bioscience Plant Health Technologies**  
PO Box 9296, Boise, ID 83707 | 855-466-8428



**NUTRIENT MANAGEMENT ENHANCEMENT**



RD053025

### 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.

### DIRECTIONS FOR USE

Read entire label before use. Use only according to label directions. Read the entire Warranty and Limitation of Damages before buying or using this product. Always wear appropriate personal protective equipment. Observe all precautions and read safety datasheet (SDS) before use.

### Application Rates:

**VOLTERRA** is a nitrogen stabilizer specific for urea and UAN liquid fertilizers. This 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 **VOLTERRA** 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 run off 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

**VOLTERRA** recommended use rate:

Fertilizer	Quarts of <b>VOLTERRA</b> per ton
UREA	3 - 4
UAN	1.5 - 2.5

### Blending with UREA:

#### Equipment Requirement

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

### Process:

Weigh the urea and transfer to blending vessel.  
Apply the desired quantity of **VOLTERRA** to the blender. A dye is incorporated in the product to assist in evaluating the uniformity of coverage.  
Under certain temperature and humidity conditions coated urea may be tacky, an addition of drying agent is recommended in such event.

### For Mixing with UAN:

Fill spray tank half full of UAN and add **VOLTERRA** directly to the UAN solution and agitate.  
Allow agitation to continue while adding remainder of UAN until thoroughly mix into complete solution with **VOLTERRA**.

### STORAGE & DISPOSAL

Store locked up. Store in a well-ventilated place. Keep container tightly closed 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 oldest product is used first. DO NOT store in excessive cold or heat. DO NOT reuse container. DO NOT contaminate water, food or feed by storage or disposal. Triple rinse or equivalent. Dispose of container in accordance with local, state, and federal regulations.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfc.org/metals.html>

### WARRANTY, DISCLAIMER AND LIMITATION OF DAMAGES

INNVICTIS BioScience Plant Health Technologies warrants only that this product conforms to the product description on the label and is reasonably fit for the purposes stated in the Directions For Use. The Directions For Use of this product are believed to be adequate and must be followed carefully. It is, however, impossible to eliminate all risks associated with this product. Crop injury, ineffectiveness, or other unintended consequences may result due to such factors as weather conditions, presence or absence of other materials, or the manner or use or application, all of which are beyond the control of INNVICTIS BioScience Plant Health Technologies. All such risks must be assumed by the buyer or user. Except as warranted on this label, INNVICTIS BioScience Plant Health Technologies makes no representation, warranty or guarantee, whether expressed or implied including, but not limited to, warranty of merchantability, fitness for a particular purpose, or otherwise. No agent or representative of INNVICTIS BioScience Plant Health Technologies or the seller of the product is authorized to amend the terms of this Warranty disclaimer or the product's label or to make a representation or recommendation different or inconsistent with the label of this product. To the extent consistent with applicable law, INNVICTIS BioScience Plant Health Technologies' maximum liability for breach of its warranty or for use of this product, regardless of the form of action, shall not exceed the purchase price of this product. To the extent permitted by applicable law, INNVICTIS BioScience Plant Health Technologies shall not be liable for consequential, special or indirect damages resulting from the use, handling, application, storage, or disposal of this product or for damages in the nature of penalties, and the buyer and the user waive any right that they may have to such damages. If the warranty and liability limitations or disclaimer are not acceptable, return the unopened container to the place of purchase for full refund. To the extent not inconsistent with applicable law or the label, the purchase, delivery, acceptance and use of this product by the buyer is subject to the terms and conditions of seller's sales invoice for this product.

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