

88423-2

5/17/2012

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

EPA Reg. Number: 88423-2

Date of Issuance: MAY 17 2012

Term of Issuance: Unconditional

Name of Pesticide Product: DTN 1000 Antimicrobial

NOTICE OF PESTICIDE:

[x] Registration
[ ] Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Infinite Coatings
3923 Morse St. Suite 112
Denton, TX 76208

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product (OPP Decision No. D-463840 is conditionally registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

a. Revise the "EPA Registration Symbol to read, "EPA Reg. No 88423-2

Signature of Approving Official

Velma Noble
Product Manager Team-31

Date:

MAY 17 2012

Regulatory Management Branch 1
Antimicrobials Division (7510P)

CONCURRENCES

Table with columns for SYMBOL, SURNAME, DATE and rows for CONCURRENCES.

3. Revise your label to be in agreement with PR Notice 2000-5 by placing the first aid statements in order from most toxic to least toxic route of exposure. Revise such that the "If in eyes" statement immediately precedes the "If inhaled" statement.

4. Correct the precautionary Statement to be in agreement with the label review manual as follows. Add the following information: "... and before eating, drinking, using tobacco, *chewing gum or using the toilet*. Remove and wash..."

5. Correct the 3<sup>d</sup> section under Directions for Use by deleting the language: "DTN 1000 Antimicrobial provides residual self-sanitizing activity against athlete's foot fungus (Trichophyton mentagrophytes) on treated socks. Durable for up to 10 repeated washings; prevents 99.99% of the growth of athlete's foot fungus on the sock." In order to support this claim, your product must demonstrate effectiveness as a disinfectant before a residual self sanitizing claim will be accepted for your product.

6. Revise the 4<sup>th</sup> section under Directions for Use to read: "...Undiluted DTN 1000 Antimicrobial contains 12% methanol. *Do not breathe vapors*. Keep away from heat..."

7. Revise your label to be in agreement with PR Notice 2005 which directs that mandatory language be incorporated in the directions for use. Make the following revisions:

- a. 4<sup>th</sup> section under Directions for Use: "APPROVED USES: DTN 1000 Antimicrobial *is for application to or incorporation within* manufactured products..."
- b. "HOW TO USE" Section: "...Undiluted DTN 1000 Antimicrobial contains 12% methanol. *Do not breathe vapors*. Keep away..."
- c. Second to last section in the Directions for Use: "DTN 1000 Antimicrobial *is for application to* organic...", "...Aqueous solutions *are* prepared by...", "...Surfaces *are* treated with the aqueous...", "...After applying treatment the surface *is* allowed to dry..." and "...Curing of polymer *is* accelerated or enhanced..."

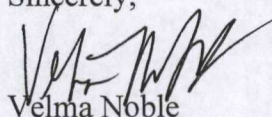
A stamped copy of the accepted labeling with conditions is enclosed. Submit 1 copy of your final printed label before distributing or selling the product bearing the revised labeling.

Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3 (c) (5) and section 4 (a) when the Agency requires all registrants of similar products to submit such data.

If the above conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6 (e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions. Should you have any questions concerning this letter, please contact Emilia Oiguenblik at (703) 347-0199 or Velma Noble at (703) 308-6233.

This letter supersedes the letter dated May 16, 2011.

Sincerely,



Velma Noble

Product Manager (31)

Regulatory Management Branch I

Antimicrobials Division (7510P)

Enclosure: Stamped Label

Master Label

# DTN 1000 Antimicrobial

## A SILANE QUATERNARY AMMONIUM SALT

EPA Reg. No. 88423-2 EPA Est.

ACTIVE INGREDIENT: 3-(trimethoxysilyl) propyldimethyloctadecyl Ammonium chloride.....	72%
INERT INGREDIENTS.....	28%
TOTAL.....	100%

CONTAINS OVER 12% METHANOL  
KEEP OUT OF REACH OF CHILDREN  
DANGER! ☠ POISON

**If inhaled:**

- Move person to fresh air
- If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a Poison Control Center or doctor for treatment advice.

**If in the eyes:**

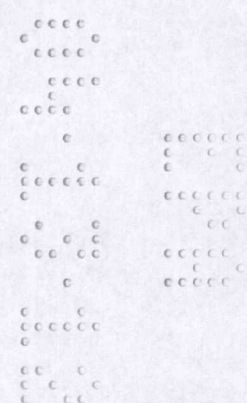
- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after first 5 minutes, then continue rinsing.
- Call a Poison Control Center or doctor for treatment advice.

**If in skin or clothing:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a Poison Control Center or doctor immediately for treatment advice.

**If swallowed:**

- Call a Poison Control Center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a Poison Control Center or doctor.
- Do not give anything by mouth to an unconscious person.



### PRODUCT FEATURES AND BENEFITS

- DTN 1000 Antimicrobial imparts durable biostatic activity to the surface of a wide variety of substrates
- DTN 1000 Antimicrobial is effective against mold, mildew and algae as a static agent
- Increased efficiency-through proper application, durable bacteriostatic, fungistatic and algistatic surfaces can be attained with a minimum amount of DTN 1000 Antimicrobial
- Provides freshness and combats deterioration and discoloration caused by bacteria, fungi and algae

LOT NO.

NET CONTENTS

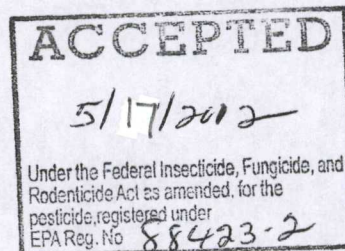
SOLD BY:



3923 Morse Street, Suite 112, Denton, TX 76208  
940-300-5563

The Infinite Coatings logo is a trademark of Infinite Coatings

Origin: U.S.A.



**PRECAUTIONARY STATEMENTS****HAZARD TO HUMANS AND DOMESTIC ANIMALS.****DANGER! CORROSIVE. CONTAINS 12% METHANOL. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN IRRITATION. MAY BE FATAL IF INHALED.**

Methanol may cause blindness. May be harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Wear protective eyewear, rubber gloves, and protective clothing. Do not breathe vapor. Wear a NIOSH approved respirator with any N, R, P, or HE filter. Appropriate measures should be taken to prevent the accumulation of hazardous concentrations of methanol vapors in the work area. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove and wash contaminated clothing before reuse.

**ENVIRONMENTAL HAZARDS:**

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Every effort should be made to contain accidental spills of concentrate to the immediate area. This may be accomplished by the use of sandbags or barrier material to confine the spill to facilitate cleanup and disposal. Contaminated sand or barrier material may then be disposed of by burial in an approved landfill. Many spills may be cleaned up with rags or other absorbent materials by wiping, soaking and/or mopping and allowing the liquid to absorb onto the material. The absorbent material may then be disposed of by incineration or landfill. Floor drains in areas of material use should be protected with absorbent material or barrier material to contain accidental spills.

Inactivation of solutions containing DTN 1000 Antimicrobial may be accomplished by addition of an anionic surfactant, or detergent in quantity equivalent to that of DTN 1000 in solution.

**PHYSICAL OR CHEMICAL HAZARDS**

Flammable. Keep away from heat and open flame.

**DIRECTIONS FOR USE:**

It is a violation of Federal Law to use this product in a manner inconsistent with its label.

FOR INDUSTRIAL USE ONLY. This product is registered for formulation into Antimicrobial Products or as a microbiostatic agent for material preservation.

- Antimicrobial product formulations containing DTN 1000 require approval by the US EPA for antimicrobial claims made. Formulators are responsible for satisfying registration requirements for their formulated products.
- For use as a microbiostatic agent for material preservation, neither this product nor the articles treated with this product may state or imply any public health claims. Articles or substances treated with this product will be exempt from FIFRA regulation pursuant to 40 CFR 152.25(a) if the intended use for incorporating this material into a treated article or substance is for the protection of the article or substance itself.

APPROVED USES: DTN 1000 Antimicrobial manufactured products listed below for use in industrial, institutional, commercial or residential locations for non-food contact uses.

**Plastics, fiberglass, metals, glass, wood, ceramics, stone, natural materials, composites:** Including air filters for furnaces, air conditioners, air purification devices, automobiles, and recirculating air handling systems; aquarium filters; automotive and vehicular parts; roofing materials (tiles, shakes, shingles, granules, stone, membranes, felt, underlayment and synthetic overcoats); building materials and components (including siding, wallboard, wood and wood composites, insulation and non-food contact cabinetry); ceiling tiles; concrete products; paints and coatings; mastics and sealants; cementitious materials (including caulk, grout and cement and grout premixes); non-food contact conveyor and humidifier belts; non-food contact countertops; fiberglass ductboard for air handling systems; floor covering; flooring; general purpose (non-food contact) containers; furniture; bathroom and non-food contact kitchen hardware; mats; plumbing supplies and fixtures; sheet and formed glass; non-food contact sponges and mops; vacuum cleaner bags and filters; foam for packaging and cushioning in non-food applications.

**Fibers, fabrics (natural and synthetic, woven and on-woven), leather and household materials (natural and synthetic):**

Including buffer pads (abrasive and polishing); mattress cover pads, filling and ticking; pillow covers; sheets; blankets; bedspreads; fiberfill for upholstery, recreational gear, quilts and pillows; curtains; draperies; carpet and carpet underlay; rugs; upholstery; towels; shower curtains; toilet tank and seat covers; wall covering fabrics and wallpaper (including vinyl) for non-food contact surfaces; umbrellas; fire hose fabric; non-woven disposable diapers; wiping cloths; pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties); apparel, including outerwear, sportswear, sleepwear, socks, hosiery, undergarments, gloves and uniforms; footwear (boots, shoes and components); sports equipment and athletic gear; cloth for sails, ropes, tents and other outdoor equipment; sand bags; tarps; awnings; file folders and binder covers; book covers; pictures.

**Miscellaneous Manufactured Products:** disposable foam cushions for Lapidus Airfloat Systems; foam used as a growth medium for non-food crops and plants.

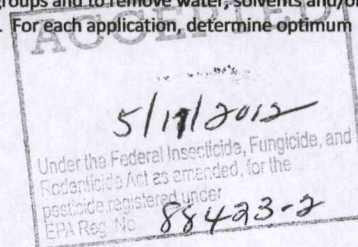
**DTN 1000 Antimicrobial provides residual self-sanitizing activity against athlete's foot fungus (Trichophyton mentagrophytes) on treated socks. Durable for up to 10 repeated washings; prevents 99.9% of the growth of athlete's foot fungus on the sock.**

**HOW TO USE:**

MSDS INFORMATION: BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET CAN BE OBTAINED BY WRITING TO INFINITE COATINGS OR BY CALLING (940) 300-5563.

Wear goggles or face shield, protective clothing, rubber gloves and respirator when handling the concentrated material. Use with proper ventilation. Undiluted DTN 1000 Antimicrobial contains 12% methanol. Keep away from heat and open flame. Methanol is released during mixing, application and drying. If desired, methanol removal may be accelerated by heating dilute solution before treatment of substrate. Appropriate measures should be taken to prevent the accumulation of hazardous concentrations of methanol vapors in the work area.

DTN 1000 Antimicrobial applied to organic and inorganic surfaces as a dilute aqueous solution to give 0.1 to 1.0 percent by weight of active ingredients. Aqueous solutions can be prepared by simply adding the antimicrobial agent to water with stirring. NOTICE: Poor agitation when adding this silane to water can result in locally high concentrations, which may form gel particles. Surfaces treated with the aqueous solution by brushing, dipping, padding, soaking, spraying or fogging until adequately wet, or applying by foaming techniques. After applying treatment, the surface should be allowed to dry at temperatures from ambient to a maximum of 160°C (320°F) to effect complete curing of silanol groups and to remove water, solvents and/or traces of methanol from hydrolysis. Curing of polymer may be accelerated or enhanced with heat or catalysis. For each application, determine optimum



application and drying conditions such as time and temperature before use. If desired, reapply DTN 1000 Antimicrobial if odor, staining and discoloration due to bacteria, mold or mildew occur.

Incorporate DTN 1000 Antimicrobial directly into formulations used to make end-use products, or dilute with water or with organic solvents such as alcohols, ketones, esters, hydrocarbons and chlorinated hydrocarbons and then apply it to the organic and inorganic surfaces to give 0.1 to 1.0 percent by weight of active ingredient.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage and disposal.

1lb. Packages:

Storage and Disposal

Store in original, tightly closed container in an area inaccessible to children or persons unfamiliar with its use. Moisture sensitive. Reclose tightly after each use. When stored in original, unopened container at or below 25°C, DTN 1000 Antimicrobial has a shelf life of 12 months from date of shipment. Do not reuse container. Discard in trash.

Pails and Drums

STORAGE: Store in original tightly closed container in an area inaccessible to children and away from food or feed. Moisture sensitive. Keep tightly closed until ready to use. Reclose tightly after each use. When stored in original, unopened containers at or below 25°C (77°F), DTN 1000 Antimicrobial has a minimum shelf life of 12 months from the date of shipment.

PESTICIDE DISPOSAL: Pesticide is acutely hazardous. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: NONREFILLABLE CONTAINER. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Offer for recycling, if available.

Triple rinse container promptly after emptying.

For pails: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain 10 seconds after the flow begins to drip. Repeat this procedure two more times.

For drums: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

NOTICE: Infinite Coatings warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated in the labeling when used in accordance with directions under normal conditions of use; but this warranty of fitness for a particular purpose does not extend to the use of this product contrary to written instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. Infinite Coatings specifically disclaims any other express or implied warranty, including the warranty of merchantability.

<b>ACCEPTED</b>
5/18/2012
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 88423-2