

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

APR 13 2004

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Olivia D. Laird, Agent
Thomson Research Associates
501 South Lincoln Avenue
Sterling, VA. 20164-2024

SUBJECT: October 17, 2003 and January 27, 2004 Applications for Amendment
Ultra-Fresh 300DD Nonionic
EPA Registration 10466-24

Dear Ms. Laird:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following conditions.

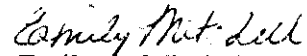
1. On the label under Directions for Use, change range from 1 - 4% to 1 - 3.5%.
2. Since you did not include use on Air Filter in the main part of the label as previously required in our September 15, 1999 letter, delete item 2 on the Technical Data sheet. In accordance with item 7 of the September 15, 1999 letter, "unless the air filters are made of materials or textile fabrics actually tested you can not make this claim." Regardless of whether the Agency approved this claim or not, the Agency has the right to ask for supporting air filter data. Therefore, this use must be applied for by amendment and supporting product performance data must be submitted.
3. On the Technical Data Sheet, delete item 3 use on Feather and Down. As previously indicated in our November 7, 2000 letter, these are not textiles and must be requested by amendment.

Further, you are reminded of the contents of the November 7, 2000 letter in accordance with 40 CFR § 156.10:

If the Technical Data Sheet and Product Information Sheet travel with the product, they are considered part of the official label, and they must be stamped. They must also be specifically referenced by their correct name on the main label and must be in harmony with the comments in this letter. If they do not travel with the product, they don't get stamped and don't have to be specifically listed on the main label, but must be in harmony with the label comments in this letter. However, the specific sheet uses must be listed on the main label in this case.

A copy of your conditionally stamped label and technical data sheet is enclosed. If you have any questions regarding this letter, please call Tom Luminello (703) 308-8075.

Sincerely yours,



Emily H. Mitchell

Acting Product Manager (32)

Regulatory Management Branch II

Antimicrobial Division (7510-C)

Enclosure

Ultra-Fresh* 300DD NONIONIC

DIRECTIONS FOR USE

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

Ultra-Fresh* 300DD is an additive designed for application to textiles (including mattress covers, tickings and pads, pillow tickings, textile laundry additive, hosiery) at 1-4% on weight of good to inhibit the growth of bacteria and fungi on these surfaces which can cause unpleasant odors, discoloration, staining, or deterioration. 1-3.5%

Ultra-Fresh* 300DD has been demonstrated to provide a durable treatment on washable fabrics when subjected to conventional launderings.

Do not use for any applications involving direct or indirect food contact, or human or animal drinking water contact applications.

Finished products containing Ultra-Fresh*300D cannot make public health claims relating to antimicrobial activity without an EPA registration, and for food contact uses without an EPA tolerance or exemption from the requirement from a tolerance. When incorporated into treated articles, this product does not protect users or others against food borne or disease causing bacteria, viruses, germs, or other disease causing organisms.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with 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.

E.P.A. Reg. No. 10466-24
E.P.A. Est. No. 34310-RI-01
70653-TX-001

BACTERIOSTAT & FUNGISTAT

ACTIVE INGREDIENTS

bis (tri-n-butyltin) oxide 1.06 %

5-chloro-2-(2,4-dichlorophenoxy)phenol 1.60 %

INERT INGREDIENTS 97.34 %

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS:

Hazard to humans and domestic animals. Corrosive. Causes irreversible eye damage. Causes skin irritation. Do not get in eyes, on skin or on clothing. Wear protective clothing, gloves and eyewear (chemical resistant gloves and footwear, goggles, face shield, or safety glasses). Harmful if swallowed, absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID

If in Eyes	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice.
If on Skin or Clothing	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If Swallowed	<ul style="list-style-type: none"> 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.
If Inhaled	<ul style="list-style-type: none"> Move person to fresh air If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies call your local poison control center.

Manufactured for: Thomson Research Associates
95 King Street East, Suite 400
Toronto, Ontario Canada M5C 1G4

STORAGE AND DISPOSAL

Prohibitions: Do not store or transport in unlined metal containers. Do not contaminate with strong oxidizing or reducing agents. Do not contaminate water, food or feed by storage or disposal or cleaning of equipment.

Pesticide Disposal: Pesticides are acutely hazardous. Improper disposal of excess pesticide 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 Disposal

Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

Plastic containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

General: Consult Federal, state, or local disposal authorities for approved alternative procedures.

Net Contents US. Gallons

with COMMENTS

Ultra-Fresh* is a registered trademark of Thomson Research Associates

APR 13 2004

200104
s/s

Ultra-Fresh*

TECHNICAL DATA SHEET

Ultra-Fresh* 300DD Nonionic

E.P.A. Registration No. 10466-24

PRODUCT DESCRIPTION

Ultra-Fresh* 300DD Nonionic is a clear aqueous solution intended to cover a wide range of potential applications in the textile area to render the treated materials resistant to attack by microorganisms such as bacteria and fungi. This product has been demonstrated to provide a durable treatment on washable fabrics when subjected to conventional launderings.

ACCEPTED
with COMMENTS
In EPA Reg. Docket

PHYSICAL PROPERTIES

Boiling Point:101C / 214F
Freezing Point:-5C / 23F
Specific Gravity at 25C / 77F: ...1.01

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Thomson Research Associates
1000 ...
Registered under ... No.

10466-24

TOXICITY

The acute oral LD₅₀ of Ultra-Fresh* 300DD Nonionic in rats is 4,724.7 mg/kg of body weight.

APPLICATION PROCEDURES

In all cases below an application range of 1.0% to 3.5%, based on the weight of the goods, is quoted. The exact percentage depends on end-use requirements such as the degree of biological activity and the durability required on a specific material. This required level could be readily determined by means of a trial run. It is recommended that all fabrics be scoured prior to treatment with Ultra-Fresh* 300DD Nonionic.

1. Fabric

a) Exhaustion Procedure

Ultra-Fresh* 300DD Nonionic should be added at the level of 1.0% to 3.5% based on the weight of the goods. The bath ratio should ideally be 1:15. Ultra-Fresh* 300DD Nonionic can be added in the same bath as softeners or antistatics.

The Ultra-Fresh* 300DD Nonionic should be added to the cold liquor (room temperature), run for 5 minutes cold, and then the temperature raised to 49C / 120F over a period of 15 minutes. The bath is maintained at this temperature for a further 15 minutes, and then dropped.

5/5

b) Padding

The padding bath is prepared so that the fabric picks up allowing for the expected pick-up, a level of 1.0% to 3.5% *Ultra-Fresh* 300DD Nonionic*, based on the weight of the goods. Final percentage depends on end-use requirements.

As with the exhaustion procedure, the *Ultra-Fresh* 300DD Nonionic* can be co-applied with softeners or antistatics.

c) Co-Treatment with Resins/Softeners

Ultra-Fresh 300DD Nonionic* is compatible with most resin/softener systems. The *Ultra-Fresh* 300DD Nonionic* is added into the resin/softener bath, along with the other ingredients, at a level sufficient to give an application of 1.0% to 3.5% (based on the weight of the goods) on the fabric. Final percentage depends on end-use requirements.

2. Air Filters

Ultra-Fresh 300DD Nonionic* is used to render air filters resistant to the growth of bacteria and fungi. The rate of application is usually between 2-4%.

} delete

3. Feather and Down

Ultra-Fresh 300DD Nonionic* is used at the rate of 3.0% on the weight of dry feather and down. *Ultra-Fresh* 300DD Nonionic*, being freely soluble in water, is applied in the final wash. The liquor ratio should be reduced by 25% from that of the normal wash cycle in order to have a more concentrated liquor from which to exhaust. Ideally the water should be around 40C / 104F. The *Ultra-Fresh* 300DD Nonionic* should be kept in contact with the feather and down for at least 10 minutes but ideally 15 for maximum efficiency at 40C / 104F.

} delete

PRECAUTIONS

Ultra-Fresh 300DD Nonionic* should be handled with the care and common sense that should be accorded to all biologically active chemicals. Immediate washing is recommended if contact should occur. Please consult the Material Safety Data sheet for more information.

NOTICE

The technical information and suggestions for use made herein are based on TRA's research and experience and are believed to be reliable, but such information and suggestions do not constitute a warranty, and no patent liability can be assumed. Since TRA has no control over the conditions under which this product is transported, stored, handled, used or applied, it is TRA's intent that its liability on any basis be limited to the price of the product used.

*Ultra-Fresh** is a registered trademark of Thomson Research Associates

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 13 2004

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product is not as amended for the pesticide, registered under EPA Reg. No.

10466-24