

10466-42

7-15-2003

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7510C)
1200 Pennsylvania Ave NW
Washington, D.C. 20460

EPA Reg. Number:

10466-42

Date of Issuance:

JUL 15 2003

NOTICE OF PESTICIDE:

- Registration
- Reregistration

Term of Issuance: Until Reregistration

Name of Pesticide Product:

Ultra-Fresh FT-7

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Thomson Research Associates
95 King Street East
Toronto, Ontario
Canada, M5C 1G4

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration 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/reregistration 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 is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

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

2. Add the phrase, "EPA Registration No.10466-42" to your label before you release your product for shipment.

Signature of Approving Official:

Marshall Swindell, Product Manager (33)
Regulatory Management Branch I
Antimicrobials Division (7510C)

Date:

JUL 15 2003

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3. In the Product Description add the following statement the sentence "...resistant to attach microorganism which cause deterioration.

4. Under the Decontamination Procedures delete the sentence "Rinse decontaminated spill area to sewer."

5. Submit five (2) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely,



Marshall Swindell
Product Manager 33
Regulatory Management Branch I
Antimicrobials Division (7501C)

Enclosure

Ultra-Fresh* FT-7

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUL 15 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

10466-42

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

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13/09/02

BACTERIOSTAT & FUNGISTAT

ACTIVE INGREDIENTS

2-n-Octyl-4-isothiazolin-3-one 6.1%

5-chloro-2-(2,4-dichlorophenoxy)phenol 1.0%

INERT INGREDIENTS 92.9%

Total 100.0%

DIRECTIONS FOR USE

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

Ultra-Fresh FT-7* is an additive designed for application to textiles and polymeric systems at 1-1.5% on weight of goods to prevent the growth of bacteria and fungi on these surfaces. Refer to the Technical Data Sheet for specific applications.

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.

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

KEEP OUT OF REACH OF CHILDREN WARNING

PRECAUTIONARY STATEMENT:

Causes eye irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Avoid breathing vapors. Wear protective clothing (goggles and face shield, rubber gloves) when handling. Use adequate ventilation. Wash thoroughly with soap and water after handling.

FIRST AID

If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Dilute by giving 2 glasses of water to drink. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Never give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • IMMEDIATELY flush effected area thoroughly with water for 15-20 minutes. • Call a poison control center or doctor for treatment.
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 a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contra-indicate the use of gastric lavage.

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

TECHNICAL DATA SHEET

*Ultra-Fresh** FT-7

Bacteriostatic and Fungistatic Liquid Preservative
E.P.A. Registration No. 10466-**

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ACCEPTED
with COMMENTS
in EPA Letter Dated:
JUL 15 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for use pesticide,
registered under EPA Reg. No.
10466-72

PRODUCT DESCRIPTION

*Ultra-Fresh** FT-7 is a clear pale yellow liquid used for rendering fabrics and water-based emulsions resistant to attack by microorganisms. Textiles applications include furniture and automobile upholstery, outdoor applications such as cotton and cotton/poly blend ducking, canvas and awnings, indoor applications such as linings, wall & window coverings, towels, dust towels, linen, bedding and mattress ticking. *Ultra-Fresh** FT-7 can be used to treat outer wear, hosiery, interlining fabrics for footwear and feather and down. Other applications are carpeting, carpet backing and under padding, bedding for pets and animals, synthetic brooms, mops and cleaning implements, mop yarns, air filter media and polyester fiber, tow and cut. Applications in water-based emulsions include adhesives, latex and latex coatings.

DIRECTIONS FOR USE

The application levels given below are representative of those found necessary in practice. It is recommended that all fabrics be scoured prior to treatment with *Ultra-Fresh** FT-7. For each specific use, a trial run is recommended in order to determine the best application level and method of addition for the particular product being treated.

1. Fabrics

a) Exhaustion Procedure

*Ultra-Fresh** FT-7 should be added at the level of 0.8% to 1.5% based on the weight of the goods. The bath ratio should ideally be 1:10. *Ultra-Fresh** FT-7 can be added in the same bath as softeners or antistatics.

The *Ultra-Fresh** FT-7 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.

b) Padding

The padding bath is prepared so that the fabric picks up allowing for the expected pick-up, a level of 0.8% to 1.5% *Ultra-Fresh** FT-7, based on the weight of the goods. Final percentage depends on end-use requirements.

As with the exhaustion procedure, the *Ultra-Fresh** FT-7 can be co-applied with softeners or antistatics.

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c) **Co-Treatment with Resins/Softeners**

*Ultra-Fresh** FT-7 is compatible with most resin/softener systems. The *Ultra-Fresh** FT-7 is added into the resin/softener bath, along with the other ingredients, at a level sufficient to give an application of 0.8% to 1.5% (based on the weight of the goods) on the fabric. Final percentage depends on end-use requirements

2. **Water-Base Emulsions/Adhesives**

Water-base adhesives and related emulsion systems can be rendered resistant to biologically induced instability and degradation by the addition of *Ultra-Fresh** FT-7. An application level of 1.5% w/w based on total emulsion weight is recommended. *Ultra-Fresh** FT-7 should be treated as one of the components and added prior to mixing. The in-can and in-use protection conferred by *Ultra-Fresh** FT-7 will last indefinitely in the undiluted adhesive or emulsion. Not for use in food grade adhesives.

3. **Polymer Systems**

Polymeric materials such as cellulose (as in sponges) can be rendered resistant to the growth of mildew by the incorporation of *Ultra-Fresh** FT-7. Apply 0.8% to 1.5% by weight of *Ultra-Fresh** FT-7 in a post treatment. The exact amount required for a specific usage can be readily determined by means of a preliminary trial.

4. **Feathers & Down**

Add *Ultra-Fresh** FT-7 to the final rinse when processing feather and down. The amount of *Ultra-Fresh** FT-7 should be between 0.8 to 1.5% based on the dry weight of the feather or down. Alternatively *Ultra-Fresh** FT-7 can be added with a resin system for added wash durability.

HANDLING PRECAUTIONS

*Ultra-Fresh** FT-7 as supplied may cause eye irritation and reddening of the skin and may be harmful if swallowed or inhaled. Therefore, precautions should be taken to prevent personal contact and contamination of clothing or inhalation of mists or vapors. Wear goggles and rubber gloves. Keep containers closed when not in use. Use with adequate ventilation. Do not take internally. Wash thoroughly after handling. Remove contaminated clothing and launder before re-wearing.

STABILITY

*Ultra-Fresh** FT-7 as supplied appears to be stable indefinitely at room temperature. For aqueous treatment solutions stability is dependant on the dilution ratio. The product is not stable in the presence of ammonia, primary, or secondary amines, or salts of these bases.

DECONTAMINATION PROCEDURES

Wear protective clothing, impervious gloves, splash proof goggles and overshoes. Spills should first be contained by diking with earth, sand, etc. Shovel absorbed spill into containers for burial.

ACCEPTED
~~REVISIONS~~
 in EPA Letter Dated:

JUL 15 2009

Under the Federal Insecticide,
 Fungicide, and Rodenticide Act as
 amended, for the pesticide,
 registered under EPA Reg. No.

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Decontaminate spill area by flooding with a solution of 5% sodium bicarbonate and 5% of sodium hypochlorite in water. The decontamination process is slightly exothermic. Adding solid sodium bicarbonate to any household bleach containing 5% hypochlorite makes up the decontamination solution. Rinse decontaminated spill area to sewer. Showers are recommended after any handling or exposure.

WASTE DISPOSAL PROCEDURES

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. Contaminated diking material should be land filled according to local, state, and federal regulations. Drums should be damaged to prevent reuse and disposed of in accordance to regulations.

FIRST AID

In case of contact, immediately flush the eyes with plenty of water for at least 15 minutes and call in a physician. Wash skin with soap and plenty of water. Remove and launder contaminated clothing. If the material is swallowed, give two glasses of water to drink. Call in a physician promptly. Never give anything by mouth to an unconscious person. Do not induce vomiting.

TOXICITY

Acute oral toxicity LD₅₀ (rat)3,349 mg/kg - estimate
Acute dermal toxicity LD₅₀ (rabbit) ...>5000 mg/kg - estimate
Eye irritation (rabbit)Irritating
Skin IrritationSlightly irritating.

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PHYSICAL PROPERTIES

Appearance:Clear, pale yellow liquid
pH (Neat)6.2 - 7.7
Density:7.9 - 8.7 lb./gal
Viscosity @ 25C/77F:.....~1 cps
Flash Point>93C/200F
Solubility in water (25C/77F):Moderately soluble

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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 Inc.