

10466-46

12-18-2009

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U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

10466-46

Date of Issuance:

DEC 18 2009

Term of Issuance:

Unconditional

Name of Pesticide Product: Ultra

Fresh DW-56 Biostat

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Thomson Research Associates
49 Gervais Drive
Toronto, ON Canada M3C 1Y9

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/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 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. Add the phrase "EPA Registration Number 10466-46".

Signature of Approving Official:

Marshall Swindell
Product Manager-33
Regulatory Management Branch I
Antimicrobials Division (7510P)

Date:

DEC 18 2009

Ultra-Fresh DW-56

Biostat

ACTIVE INGREDIENT

Zinc, 2-pyridinethiol-1-oxide** 15%
 2-(4-Thiazolyl)-1H-benzimidazole 15%

INERT INGREDIENTS 70%

Total 100%

**Zinc Pyrithione

KEEP OUT OF REACH OF CHILDREN WARNING

PRECAUTIONARY STATEMENTS:

Hazard to humans and domestic animals. Causes substantial but temporary eye injury. Harmful if swallowed. Harmful if absorbed. Avoid contact with eyes, skin or clothing. Wear coveralls worn over short-sleeved shirt and short pants, socks, chemical-resistant goggles, chemical-resistant footwear, and chemical-resistant gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing.

FIRST AID

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 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.

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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. 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.

EPA Reg. No. 10456-XX
 EPA Est. 81110-GBR-0001

ACCEPTED
 with COMMENTS
 in April Later Date

DEC 18 2000
 Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under FIFRA Reg. No. 10466-46

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:

Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose in 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.

Manufactured for: Thomson Research Associates
 49 Gervais Drive
 Toronto, Ontario, Canada
 M3C 1Y9

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

Net Contents: US Gallons

(Label Use Directions)

DIRECTIONS FOR USE

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

Ultra -Fresh DW-56 is designed control the growth of fungi, bacteria and algae in limited textiles*; aqueous coatings; polymeric materials such as fibers and film; cellulose sponges; adhesives; grout; mortar and mastics. Ultra-Fresh DW-56 is to be used as directed in the accompanying Technica l Data Sheet.

End-use treated articles incorporating this product may not make bacteriostatic or fungistatic claims, other than for preservation or protection of the treated article or coating itself.

ACCEPTED
 WITH COMMENTS
 In EPA Letter Dated:

DEC 18 2009

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 10466-46

Technical Data Sheet

Ultra-Fresh DW-56 Biostat

Ultra-Fresh DW-56 IS a suspension, ranging in color from off-white to tan, designed to control the growth of fungi, bacteria and algae in water-based coatings applications.

*Textile applications are limited to industrial/commercial items not including clothing, linings, bedding, carpeting, furniture, upholstery, mattress covers or ticking, feather or down or other items that represent intiment/significant human contact.

Ultra-Fresh DW 56 Biostat can be used to treat filter media, polyester fiber for use in tow and cut, for pets and animals bedding, synthetic brooms, mops, cellulosic sponges, cleaning implements, mop yams, air filter media, wall & window coverings, and dust towels.

Applications in water-based emulsions include adhesives, grout, mortar, mastics, latex and latex coatings.

Outdoor textile applications include cotton and cotton/poly blend ducking, for use in canvas and awnings.

DIRECTIONS FOR USE

The application levels given below arc representative of those found to be successful in practical applications. For each specific use, one or more trial runs are recommended in order to determine the optimum application method and level of addition for substrate being treated.

1. Aqueous coatings on limited textiles

Polyurethane, acrylic, PVC and latex coatings and compounds may be rendered resistant to the growth of microorganisms by the incorporation of Ultra-Fresh DW-56. Ultra-Fresh DW-56 can be added directly to the liquid system prior to the drying/heating/crosslinking/curing stage at dosage levels of 0.2% to 0.7% on the final weight of the coating. For some applications, minor formulation adjustments may be required to control physical properties.

2. Aqueous Polymer Systems and Coatings

Ultra-Fresh DW-56 may be utilized in a wide range of water-based polymers, adhesives and resin coating systems. Add Ultra-Fresh DW-56 directly to the polymer system such that the dosage is in the range of 0.2 - 0.4% on the total weight of the finished goods. Its formulation will impart strong antimicrobial properties to a wide range of outdoor applications, construction, and industrial coatings.

3. Cellulosic Sponges

To provide protection for cellulosic sponges Ultra-Fresh DW-56 can be applied to the raw cellulose block using a dosage in the range of 0.2 - 0.4% on the total weight of the cellulose. The exact amount required for a specific usage can be readily determined by means of a preliminary trial .

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This list is **only** intended to give examples of the types of usages that the Ultra-Fresh products have been shown to be effective. Ultra-Fresh products are only intended to confer antimicrobial protection to treated articles, not to protect the people who are using them. Contact your local distributor to confirm that the usage type desired is acceptable according to Federal and local government regulations.

PHYSICAL PROPERTIES

Colour & Appearance: Opaque off-white to brown liquid
Specific Gravity: 1.05 – 1.20
pH: 6.9 – 7.9

HANDLING PRECAUTIONS

Ultra-Fresh DW-56 should be handled with care and common sense that is accorded to all biologically active chemicals. In case of contact with skin, remove and launder contaminated clothing before reuse. Consult Material Safety Data Sheet for more information.

SPILL CLEAN-UP PROCEDURES

For small spills, absorb with sand, clay or other inert absorbent and place in clean, dry container for disposal. Large spills should be diked to prevent spreading. Pump spilled material to containers for salvage or disposal. Absorb the residual material as for small spills. Clean the spill area with detergent and water. This product is toxic to fish. Keep discharge from entering sewers, lakes, streams, ponds, estuaries or public water sources. Dispose of in accordance to regulations.

WASTE DISPOSAL PROCEDURES

Dispose of in accordance to regulations.

ACCEPTED
with COMMENTS
by EPA Region Director

DEC 18 2009
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended for the pesticide,
registered under EPA Reg. No.

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TOXICOLOGICAL INFORMATION**Corrosiveness To Skin (Test Species):** Not Irritating**Corrosiveness to Eyes (Test Species):** Severely Irritating**This Product Is:** Not sensitizing**Acute Oral LD₅₀ (mg/kg):** >2000 **Species:** Rat**FIRST AID**

In Case of Eye Contact: Immediately flush eyes with copious amounts of water for at least 15 minutes while holding eyelids wide apart. Seek medical attention.

In Case of Skin Contact: Remove contaminated clothing immediately. Wash affected area with mild soap and water. If irritation persists seek medical attention. Wash contaminated clothing and equipment before reuse.

In Case of Inhalation: Move subject to fresh air. If discomfort persists seek medical attention.

In Case of Ingestion: If conscious have subject drink one glass of water. Never give anything to an unconscious or convulsing person. Do NOT induce vomiting. Seek immediate medical attention.

Note To Physician: Treat according to symptoms, no known specific antidote.

RECEIVED
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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