



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

October 23, 2018

Olivia D. Laird  
Agent  
Thomson Research Assoc. Inc.  
40 Gervais Drive  
Toronto, Ontario M3C 1Y9, Canada

Subject: Label and CSF Notification per PRN 98-10 – Revised Address and Company Name  
Product Name: Ultra-Fresh DW-56 Biostat  
EPA Registration Number: 92760-10  
Application Date: 09/07/2018  
Decision Number: 544204

Dear Ms. Laird:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

The CSFs submitted with your application have been stamped “Notification” and placed in our files.

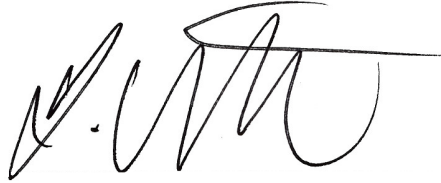
Please note that the record for this product currently contains the following CSFs:

- Basic CSF dated 03/23/2018

Any CSFs other than those listed above are superseded/no longer valid.

If you have any questions, please contact Terria Northern at 703-347-0265 or by email at [northern.terria@epa.gov](mailto:northern.terria@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Zeno Bain', with a long horizontal flourish extending to the right.

for

Zeno Bain, Product Manager 33  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

**NOTIFICATION**

92760-10

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

10/23/2018

# Ultra-Fresh DW-56

## Biostat

### 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 to control the growth of fungi and, bacteria in textiles; on the surface of feather and down; and exclusive of the state of California non-food contact aqueous coatings; polymeric materials such as fibres and films; non-food contact foams; adhesives; grout; mortar and mastics. **Ultra-Fresh DW-56** is to be used as directed in the accompanying Technical 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 itself.

### 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. 92760-10  
EPA Est. 81110-GBR-001

### ACTIVE INGREDIENT

Zinc Omadine (Zinc, 2-pyridinethiol-1-oxide) .....15%

Thiabendazole (2-(4-Thiazolyl)-1H-benzimidazole) .....15%

INERT INGREDIENTS ..... 70%

Total.....100%

## KEEP OUT OF REACH OF CHILDREN DANGER

### PRECAUTIONARY STATEMENTS:

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through skin. 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

<b>If in Eyes</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<b>If Swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on Skin or Clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> </ul> <p>Call a poison control center or doctor for treatment advice.</p>

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.

### STORAGE AND DISPOSAL:

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

**PESTICIDE STORAGE:** When not in use keep container closed. Do not store above 40° C/104° F. **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:

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. "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.

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

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

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

Net Contents: 440 lbs

# Technical Data Sheet

## Ultra-Fresh DW-56 Biostat

**Ultra-Fresh DW-56** is a suspension, ranging in colour from off-white to tan, designed to control the growth of fungi and bacteria in water-based coatings,

**Ultra-Fresh DW-56** will control the growth of microorganisms on textiles. The following examples of products (substrates) suitable for finishing with this product: Textiles such as: Wearing apparel – for example work-wear, uniforms, sportswear, slacks, shirts, underwear, sweatshirts, sweatpants, socks, oven mitts, slippers, bathrobes, gloves, hats, scarves, jackets, incontinence pad cover stock, washable incontinence briefs and panties.

Household products, for example, upholstery, polyurethane foams for furniture, curtains, wall coverings, mops, yarns, cords, non-food contact toweling and blankets, sheets, pillowcases. Synthetic fiber wipes, tissues, foams and sponges (non-food contact). Automotive, boat, train and airplane seats and seat coverings.

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

**Ultra-Fresh DW-56** can be used to treat filter media, polyester fiber for use in tow and cut, for pet and animal bedding, synthetic brooms, mops, non-food contact cleaning implements, mop yarns, air filter media, wall and window coverings and dust towels. It can also be used on the surface of feather and down for fill in apparel and bedding.

Applications in water-based emulsions for non-food contact applications including adhesives, grout, mortar, mastics, latex and latex coatings except in the state of California.

### **DIRECTIONS FOR USE**

The application levels given below are 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 (not in the state of California)**

**Ultra-Fresh DW-56** may be utilised in a wide range of water-based polymers, adhesives and resin coating systems for non-food contact applications. 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 unique formulation will impart strong antimicrobial properties to a wide range of outdoor applications, construction, specialist and industrial coatings.

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

**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.

### **FIRST AID**

If in Eyes 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 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.

If on 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 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.

### **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