U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:
_X_ Registration
___ Reregistration
(under FIFRA, as amended)

EPA Reg. Number:	**Date of Issuance:**
10466-47	12/2/16

Term of Issuance:
Conditional

Name of Pesticide Product:
Ultra-Fresh KW-48 Industrial Microbiostat

Name and Address of Registrant (include ZIP Code):

Thomson Research Associates
49 Gervais Drive
Toronto, Ontario, 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 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 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 section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:	**Date:**
Julie Chao, Product Manager 33 Regulatory Management Branch 1, Antimicrobials Division (7510P)	12/2/16

EPA Form 8570-6

2. Be aware that proposed data requirements have been identified in a Final Work Plan for Zinc Pyrithione. For more information on these proposed data requirements, you may contact the Reevaluation Team Leader (Team 36): http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division.

3. Make the following label changes before you release the product for shipment:

    - Revise the EPA Registration Number to read, "EPA Reg. No. 10466-47."

4. Submit one copy of the final printed label for the record before you release the product for shipment.

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.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 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. Please also note that the record for this product currently contains the following CSF:

- Basic CSF dated 9/28/16

If you have any questions, you may contact Aline Heffernan at 703-347-8602 or via email at heffernan.aline@epa.gov.

Sincerely,

Julie Chao, Product Manager 33
Regulatory Management Branch 1

Enclosure: Accepted Label

Ultra-Fresh KW-48

INDUSTRIAL MICROBIOSTAT

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS. DANGER

Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Do not breathe spray mists. Users must wear protective eyewear (goggles, safety glasses, or face shield), long sleeved shirt and long pants, socks, chemical resistant gloves and chemical resistant footwear. Users must wear a fit tested, NIOSH approved full-face respirator equipped with a combination organic vapor/P-100 prefilter. When mixing and loading, or cleaning equipment, wear a chemical resistant apron. Wash thoroughly after handling with soap and water, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse.

CHEMICAL HAZARDS

Do not store or mix with strong oxidizing agents or strong (concentrated) acids. In case of contamination do not reseal container. If possible, isolate container in open or well-ventilated area. Fumes caused by contamination may be hazardous.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, ponds, streams, 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.

Net Contents: 44 lbs. (20 kg)
EPA Reg. No.: 10466-XX
EPA Est. No.: XXXXX-XX-XXX

Distributed by:
Thomson Research Associates
49 Gervais Drive,
Toronto, Ontario,
M3C 1Y9 Canada

Active Ingredient:
Zinc pyrithione,Zinc, 2-pyridinethiol-l-oxide... 48%
Inert Ingredients:..... 52%
Total:..... 100%

KEEP OUT OF REACH OF CHILDREN DANGER

FIRST AID	
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 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 a poison control center or doctor for treatment advice.
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.
If inhaled	-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. -Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER:

For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents) call the National Pesticide Telecommunications Information Center at 1-800-858-7378. For chemical emergency assistance (spill, leak, fire, or accident), call Chem Trec at 1-800-424-9300.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Do not freeze. Store above 50 degrees F. Keep container tightly closed when not in use. Do not store with strong oxidizing agents or strong (concentrated) acids. Clean up spills immediately. Contain and absorb spills with inert material such as sand, calcium carbonate, clay or sawdust. Collect absorbed material by sweeping or shoveling into an appropriate waste disposal container. Wash spill area with water and absorb wash water in the same manner. Do not contaminate waterways. Dispose of waste in a manner approved by Local authorities. Avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticides, 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. Do not reuse empty container.

CONTAINER DISPOSAL

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available or dispose of in trash or in a sanitary landfill or by incineration.

Triple rinse container promptly after emptying. 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 for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

021016

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

A minimum cost effective use level recommendation can only be established through testing of a specific formulation intended for use in a specific application. Formulations differ in their composition and as a result, of their susceptibility to microbial attack. Conditions of use and the performance expectations differ from product to product. For example, a warranted high performance preserved product that is under consideration for use in severe tropical environments is likely to need a high dose of biocide. Testing at biocide use levels would be recommended at 3000, 4000 and 5000 ppm. As the product adds cost to the formulation and as performance requirements need to be met, laboratory and field tests are conducted to establish the antimicrobial performance of this product. An unwarranted preserved product that is not intended for use in severe environments would likely need a lower dose. Again, a recommendation would be made for testing at lower concentrations based on formulation, performance and cost considerations. We recommend that users contact Thomson Research Associates for formulation assistance.

TEXTILES: For the control of odor causing microorganisms on textiles made of natural and synthetic fibers, such as polyester and blends, add ***Ultra-Fresh KW-48 Industrial Microbiostat*** at use rates such that the finished textile contains 0.14% - 0.71% by weight of this product.

The following are examples of textile products (substrates) suitable for finishing with ***Ultra-Fresh KW-48 Industrial Microbiostat***:
•*Wearing apparel* – work-wear, uniforms, sportswear, slacks, shirts, underwear, sweatshirts, sweatpants, socks, oven mitts, slippers, bathrobes, gloves, hats, scarves, jackets, and incontinence care products such as, incontinence pad cover stock, washable incontinence briefs and panties.
•*Household products* – upholstery, curtains, wall coverings, mops, dishcloths, yarns, cords, towels, blankets, sheets, pillowcases, and non-food contact synthetic wipes, tissues and sponges.
•*Seats and seat coverings* (for transportation vehicles – auto, boat, train, plane).

DRY FILM PRESERVATION: THIS PRODUCT PROTECTS THE APPLIED DRY FILM ITSELF AND DOES NOT PROTECT THE UNDERLYING SURFACE FROM ATTACK BY ALGAE, FUNGI, MILDEW OR BACTERIA.

For the Dry Film Preservation of Flooring and Other Non-Food Contact Adhesives, Caulks, Sealants, Grouts and Patching Compounds

Flooring Adhesives: For the control of fungi causing stains, odor or film degradation, add 1500 ppm of this product; for control of bacteria causing stains, odor and/or degradation of the physical properties of the film, add 4800 ppm. (Add 1.5 lbs. of this product to 1000 lbs. of adhesive to control these fungi and add 4.8 lbs. per 1000 lbs. of adhesive to control these bacteria).

Caulks/Sealants: For the control of fungi causing stains, odor or film degradation, add 4100 ppm of this product; for control of bacteria causing stains, odor and/or degradation of the physical properties of the film, add 10,000 ppm of this product. (Add 4.1 lbs. of this product per 1000 lbs. of caulk/sealant to control these fungi; add 10 lbs. of this product per 1000 lbs. of caulk/sealant to control these bacteria).

Grouts/Patching Compounds: For the control of fungi causing stains, odor or film degradation, add 2000 ppm of this product; for control of bacteria causing stains, odor and/or degradation of the physical properties of the film, add 8000 ppm of this product. (Add 2 lb. of this product to 1000 lbs. of grouts/patching compounds to control these fungi and 8 lbs. of this product to 1000 lbs. of grouts/patching compounds to control these bacteria).

For the Dry Film Preservation of Aqueous Latex and Other Types of Architectural and Industrial Non-Marine Paints and Coatings Including Powder Coatings:
Addition of up to 10000 ppm of this product can inhibit the growth of algae and bacteria causing stains, odor or degradation of the physical properties of the film, and fungi causing stains, odor or film degradation. It can be added at any time during the formulation procedure. For example, the dry film of a house paint having a density of 10 lbs. per gallon can be protected against the growth of these bacteria, fungi, and algae by the addition of 10000 ppm of this product. (Add 10 lbs. of this product to 100 gallons of wet paint).

For the Dry Film Preservation of Residential Latex Paints:
Use a minimum of 5000 ppm of this product. For maximum protection against the growth of algae and/or fungi causing stains, odor or film degradation, use 10000 ppm of this product. For control of bacteria, causing stains, odor or degradation of the physical properties of the dry paint film surface, use 5000 ppm of this product. (Add a minimum of 5 lbs. of this product to 100 gallons of wet paint, with a density of 10 lbs. per gallon, to control these fungi, bacteria, or algae. Add a maximum of 10.0 lbs. of this product to 100 gallons.)

For the Dry Film Preservation of Joint Compounds, Glazing Compounds and Wood Fillers: Addition of up to 10000 ppm (10.0 lbs. of this product per 1000 lbs. of formulation) of this product will inhibit the growth of fungi causing stains, odor or film degradation, and bacteria causing stains, odor or degradation of the physical properties of the dry film. This product can be added at any time during the formulation procedure.

For the Control of Mildew and Bacteria in Styrene Butadiene Rubber and Thermoplastic Resins Used in the Manufacture of the Following Products: Rubber Bands; Carpet Fibers; Carpet Backings; Rubber or Rubber Backed Bath Mats; Foam Underlay for Carpets; Synthetic, Non-Leather Materials; Foam Stuffing for Cushions and Mattresses; Wire and Cable Insulation; Vinyl, Linoleum and Synthetic Floor Coverings; Wall Coverings; Plastic Furniture; Rubber/Wood Flour Composite; Wood Plastic Composite Products (non-food) Uses; Athletic Flooring and Mats; Mattress Liners, Covers or Ticking; Molding; Mats; Gaskets; Weather Stripping; Coated Fabrics for Furniture Cushions, Boat Covers, Tents; Tarpaulins; Awnings; Non-Surgical Rubber Gloves; Garbage Bags, Refuse Containers; Bathtub Appliqués; Garden Hose; Non-Potable Water Pipe; Ductwork, air filters, air filtration components and air filtration media for industrial, hospital, residential and commercial heating and cooling; Shower Curtains; Sponge or Fiber Mops; Household Use Sponges; Toilet Brush Receptacles, Toothbrush Receptacles (Non Bristle Contact); Non-Medical Scrub Brushes; Sink Mats and Drain Boards; Storage Containers; Soap Dish Holders; Towel Bars, Components of Footwear and Toilet Seats.

Addition of up to 8000 ppm (8 lbs./1000 lbs. of formulation) of this product can inhibit the growth of fungi causing stains, odor or product degradation and bacteria causing stains, odor or degradation of physical properties in styrene butadiene rubber & thermoplastic resins such as vinyl chloride-vinyl acetate copolymers, polyurethanes, polyamides, polyolefins, polystyrene, polyesters and acrylonitrile copolymers. It can be added at a time during the formulation procedure that will ensure uniform distribution throughout the polymer system. Add by pouring or by use of metering equipment. For example, to inhibit these fungi in polyurethane footwear components, add 4000 ppm (4 lbs./1000 lbs. of formulation) of this product to the polyurethane formulation.

For the In Can Preservation of Latex Emulsions, Clay, Mineral, Pigment and Guar Gum Slurries Used In the Manufacture of Adhesives, Caulks, Patching Compounds, Sealants and Grouts:
A dosage of up to 10000 ppm is recommended to control fungi causing stains, odor and product degradation and bacteria causing stains, odor or degradation of physical properties. This dosage is equivalent to 10 lbs. of this product per 1000 lbs. of slurry. It may be added at any time during the formulation procedure.

For the Preservation of Dry Wall, Gypsum, Pearlite, Plaster-Like, Mineral Based, or Cellulose Derived Building Materials Used in the Manufacture of Ceilings, Ceiling Tile, Walls and Partitions:
Addition of up to 8000 ppm of this product (8 lbs. of product per 1000 lbs. of the formulation, i.e. wet slurry) will inhibit the growth of fungi causing stains, odor, and product degradation and bacteria causing stains, odor or degradation of physical properties. It can be added at any time during the formulation procedure. Alternatively the product may be added to latex or other types of coating systems routinely applied to the surfaces of walls, ceiling tiles, partitions, etc. at the same dosage as above.

INDIRECT FOOD CONTACT USES:

For the Preservation of Adhesives Used for Food Packaging:
For the control of fungi causing stains, odor, or product degradation and bacteria causing stains, odor or degradation of physical properties in food packaging adhesives, at use temperatures up to 120°F, and subject to Good Manufacturing Practices, including the conditions specified in 21 CFR 175.105 (a) and (b), add a dosage of 1500 ppm to a maximum of 2000 ppm of this product (1.5 to 2.0 lb. of this product per 1000 lbs. of food packaging adhesive) at a point where thorough mixing will take place.