



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

May 2, 2019

Olivia Laird
Regulatory Affairs Manager
Thomson Research Associates
49 Gervias Drive
Toronto, Ontario, Canada, M3C 1Y9

Subject: Label and CSF Amendment – Removal of Apparel Uses, Label Updates and CSF changes
Product Name: ULTRA FRESH NM-100
EPA Registration Number: 92760-6
Application Date: January 26, 2018
Decision Number: 540065

Dear Ms. Laird:

The amended label and CSF referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, are acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Please note that the record for this product currently contains the following CSF(s):

- Basic CSF dated 03/19/2019

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

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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.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Melanie Bolden by phone at (703) 347-0165, or via email at Bolden.Melanie@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'D. Fuller', with a long horizontal stroke extending to the right.

Demson Fuller, Product Manager 32
Regulatory Management Branch II
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure

ACCEPTED

05/02/2019

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 92760-6

Ultra-Fresh NM-100

DIRECTIONS FOR USE

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

For Manufacturing Use Only. Not for apparel. For application only into end-use products to treat the article itself. **Ultra-Fresh NM-100** is only to be used as an additive for compounding resin formulations including acrylic modified polyesters for flat stock, counters walls, sinks and systems including polyethylene used in the manufacture of sleeve for buried conduits (pipe).

Please consult the respective Product Information or Technical Data Sheets for application parameters.

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.

E.P.A. Reg. No. 92760-6

E.P.A. Est. No: 87118-MA-001

BACTERIOSTAT

ACTIVE INGREDIENTS

5-chloro-2-(2,4-dichlorophenoxy)phenol..... 99.0 %

OTHER INGREDIENTS

Total..... 100.0 %

KEEP OUT OF REACH OF CHILDREN

WARNING

PRECAUTIONARY STATEMENTS:

May be fatal if inhaled. Do not breathe dust, vapor or spray mist. Causes substantial but temporary eye injury. Avoid contact with skin or clothing. Do not get in eyes or on clothing. Wear respirator fitted with cartridge for organic vapors. Wear face shield or chemical goggles. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

FIRST AID

- 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 immediately for further treatment advice.
- 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.
- If swallowed**
 - Call 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 the poison control center or doctor.
 - Do not give anything by mouth to an unconscious person.

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

For product information call, 1-800-576-9872, Monday through Friday, 9 am to 4 pm ET. After 5 pm call your poison control center.

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

STORAGE AND DISPOSAL

Pesticide Storage: Do not store above 100°F. Keep container tightly closed when not in use. Do not store with strong oxidizing agents or strong (concentrated) acids. 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 Handling:

Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related material in the container. **Contact your state regulatory agency to determine allowable practices in your state.**

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

Net Contents:

55 lbs/25 kg.
190220

Technical Data Sheet

Ultra-Fresh NM-100

Bacteriostat

Ultra-Fresh NM-100 is a finely divided crystalline white powder designed to confer durable bacteriostatic properties to polymeric systems, and synthetic foams by inhibiting the growth of bacteria, and preventing the growth of bacteria leading to microbiologically induced corrosion of buried conduits (pipe). For manufacturing use only. For formulation only into end-use products which are intended to treat the article itself.

Ultra-Fresh NM-100 can be incorporated into polymeric systems at the pre-extrusion stage in the manufacturing process through the use of a resin pellet concentrate (5% - 10% **Ultra-Fresh NM-100**). This product, when used according to recommendations, will last the lifetime of the product. Polymeric systems include all grades of polyolefins (polyethylenes, polypropylenes and polyolefin copolymers such as ethylene vinyl acetate, TPOs and TPRs (thermoplastic rubber)) and all styrenic thermoplastics such as polystyrene, ABS (acrylonitrile-butadiene styrene) and SAN (styrene acrylonitrile).

DIRECTIONS FOR USE

1. Polymeric Systems

Ultra-Fresh NM-100 will inhibit the growth of bacteria in polymeric systems. These include synthetic fibers (Polypropylene, Nylon, Acetate, Polyester, Rayon, Polyethylene fibers and blends of these fibers with natural fibers for non-apparel only) moulded plastics, and synthetic foams. An application of 0.05 to 0.3% based on weight of finished product is recommended. **Ultra-Fresh NM-100** should be applied by adding the resin pellet concentrate to the bulk resin pellets before extrusion.

2. Coated Textiles

Textiles coated or laminated with polyvinyl chloride (PVC) or polyurethane (PUR), for use as mattress tickings, pillow tickings, curtains, covers and related articles for use in bio-burdened environments can be treated with **Ultra-Fresh NM-100** at levels of 0.05% to 0.3% based on the weight of finished goods. Not for use in apparel.

3. Polyethylene Sleeves For Buried Conduits

Low density polyethylene films treated with **Ultra-Fresh NM-100** at levels up to 2% (based on the weight of the film) used in the inner layer and co-extruded or laminated with a polyethylene high density middle layer film and a polyethylene low, linear low, medium, or high density outer layer film forming a sleeve for buried conduits that conforms with minimum physical characteristics specified in ANSI/AWWA Standard C105/A21.5-99. See the product information sheet for Polyethylene Sleeves for Buried Conduit.

PHYSICAL PROPERTIES

Appearance:White odourless powder

Specific Gravity:1.2

pH:.....Not available

HANDLING PRECAUTIONS

Refer to product Safety Data Sheet for health and safety information. In case of contact with clothes, remove and launder contaminated clothing separately before reuse.

SPILL CLEAN-UP PROCEDURES

Shovel into approved disposal container. Vacuum contaminated area. Avoid creating dusty conditions. Prevent entry into drains and surface water. Large releases to surface waters may result in fish kills and require reporting to the local environmental authorities.

WASTE DISPOSAL PROCEDURES

Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related material in the container. **Contact your state regulatory agency to determine allowable practices in your state.**

TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rats) >5000 mg/kg

Acute Inhalation LC₅₀ (rats) >0.15 mg/L

Skin Irritation (rabbits) Irritant

Eye Irritation (rabbits) Irritant

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.

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