

PM 34

10466-38

7/27/99

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUL 27 1999

Olivia D. Laird, Agent for
Thomson Research Associates
95 King Street East, Suite 100
Toronto, ON M5C 1G4, Canada

Dear Ms. Laird:

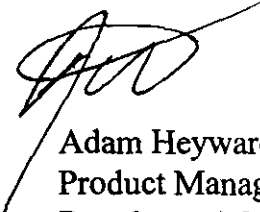
Subject: Revised Technical Data Sheet
Ultra-Fresh® NM-100
EPA Registration No. 10466-38
Your submission of March 24, 1999

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable provided that you make the labeling changes indicated below prior to release for shipment of product bearing the amended labeling.

Delete the statements "...but not limited to all grade of polyolefins" and "...not limited to polystyrene," "not limited to is too broad, all materials must be listed.

Submit two copies of final printed labeling before you release the product for shipment. A stamped copy of the labeling is enclosed for your records.

Sincerely your,



Adam Heyward
Product Manager (34)
Regulatory Management Branch II
Antimicrobials Division (7510C)

Enclosure

| CONCURRENCES | | | | | | | |
|--------------|--|--|--|--|--|--|--|
| SYMBOL | | | | | | | |
| SURNAME | | | | | | | |
| DATE | | | | | | | |

Ultra-Fresh[®] NM-100

DIRECTIONS FOR USE

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

Ultra-Fresh[®] NM-100 is only to be used as an additive for compounding resin formulations. For Manufacturing Use Only.

Please consult the respective Product Information Sheet for application parameters.

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.

E.P.A. Reg. No. 10466-38
E.P.A. Est. 34310-RJ-01

BACTERIOSTAT

ACTIVE INGREDIENTS

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

INERT INGREDIENTS.....1.0 %

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENT:

Hazard to humans and domestic animals. Harmful if swallowed. Avoid contact with eyes, skin or clothing.

STATEMENT OF PRACTICAL TREATMENT:

In case of contact immediately flush eyes or skin with plenty of water for at least 15 minutes and call a physician. Wash skin with soap and plenty of water. Remove and wash contaminated clothing before reuse. **IF SWALLOWED:** Call a physician or Poison Control Center. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. **IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists. **IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

NOTE TO PHYSICIAN: Probable mucosal damage may contra-indicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

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

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: lbs
ACCEPTED
with COMMENTS
In EPA Letter Dated:

JUL 27 1999

Ultra-Fresh[®] is a registered trademark of Kroy International Inc.

Under Federal Insecticide
Fungicide, and Rodenticide Act as
amended, for the pesticides
registered under EPA Reg. No. 10466-38

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Ultra-Fresh*

TECHNICAL DATA SHEET

Ultra-Fresh® NM-100

E.P.A. Registration No. 10466-38
For use in the United States of America

PRODUCT DESCRIPTION

Ultra-Fresh® NM-100 is a finely divided crystalline white powder designed to confer durable bacteriostatic properties to polymeric systems, laundry detergents, and synthetic foams by inhibiting the growth of bacteria. For manufacturing use only.

-) 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 but not limited to all grades of polyolefins (polyethylenes, polypropylenes and polyolefin copolymers such as ethylene vinyl acetate, TPO's and TPR's (thermoplastic rubber)) and all styrenic thermoplastics such as but not limited to polystyrene, ABS (acrylonitrile-butadiene styrene) and SAN (styrene acrylonitrile).

PHYSICAL PROPERTIES

- Melting Point 56 - 58 C
- Freezing Point Not applicable
- Ionic Nature Non-ionic
- Decomposition Temperature >280 C
-) Vapor Pressure 2.0×10^{-7} mm Hg

TOXICITY

- Acute Oral LD₅₀ (rats) >5,000 mg/kg
- Skin Irritation (rabbits) Irritant
- Eye Irritation (rabbits) Irritant

APPLICATION PROCEDURES

1. Polymeric Systems

Ultra-Fresh® NM-100 will inhibit the growth of micro-organisms in polymeric systems. These include synthetic fibres (Polypropylene, Nylon, Acetate, Polyester, Rayon, Polyethylene fibres and blends of these fibres with natural fibres) 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.

ACCEPTED
with COMMENTS
in EPA Letter Dated:
JUL 27 1999
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 10466-38

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2. Coated Textiles

Textiles coated, laminated with or constructed of 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-Fresb[®] NM-100 at levels of 0.05% to 0.3% based on the weight of finished goods.

3. For more details of application, please consult the Product Information Sheet on end-uses.

PRECAUTIONS

Ultra-Fresb[®] NM-100 should be handled with care and common sense that should be accorded to all biologically active chemicals. In case of contact, remove and launder contaminated clothing before reuse. Consult the Material Safety Data Sheet for more information.

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.

