

PM34 10466-38 212198 1984



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
10466-38

Date of Issuance:
FEB -2 1998

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
Ultra Fresh NM-100

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Thomson Research Association
c/o Laird's Regulatory Consultants
501 South Lincoln Ave.
Sterling, VA 20164-2024

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/reregistration 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 reregistration of your product under FIFRA section 4.
2. Change the label by revising the EPA Registration Number to read, "EPA Reg. No. 10466-38".
3. Revise the first aid (Statement of Practical Treatment) to read as follows; 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.
4. Add the following statement to labeling "For Manufacturing Use Only."


Signature of Approving Official:
Adam Heyward (PM-34) Regulatory Management
Branch II, Antimicrobials Division 7510W

Date:
FEB -2 1998

5. Submit three copies of the revised final printed label for the record. Submit the Material Safety Data Sheets with labels.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

Sincerely,



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

Enclosure:

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 of resin formulations.

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.

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, drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

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.

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.

Manufactured for: Thomson Research Associates
95 King Street East, Suite 100
Toronto, Ontario
M5C 1G4

E.P.A. Reg. No. 10466-
E.P.A. Est.34310-RI-01

ACCEPTED
with COMMENTS
in EPA Letter Dated:

FEB -2 1998

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

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

Net Contents: lbs

3876

4076

THOMSON RESEARCH ASSOCIATES

A division of KROY CHEMICALS LTD.

95 King Street E., Suite 100, Toronto, Ontario, Canada M5C 1G4 Tel: (416) 955-1881 Fax: (416) 955-1887
e-mail: tra@interlog.com

ACCEPTED
with COMMENTS
in EPA Letter Dated:

Ultra-Fresh[®] NM-100 PRODUCT INFORMATION SHEET BACTERIOSTATIC AGENT FOR POLYMERIC SYSTEMS

FEB -2 1998

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 10466-28

E.P.A. Reg No. 10466-

E.P.A. Est No 34310-RI-01

Ultra-Fresh[®] NM-100 treated polymeric systems* are preserved by the bacteriostatic action imparted to their surfaces. Microbial contamination of polymeric systems may result in discoloration and deterioration. *Ultra-Fresh*[®] NM-100 treatment in the polymeric system inhibits the growth of microorganisms to aid in the control of these effects.

Ultra-Fresh[®] NM-100 is incorporated into the matrix of the polymeric system. Bacteriostatic action is exhibited on contact.

To provide preservation for many types of polymeric systems against a wide variety of bacteria. Polymeric systems with *Ultra-Fresh*[®] NM-100 agent (1) inhibits the growth of bacteria to ensure lasting protection for the treated articles; (2) resists deterioration, discoloration and degradation caused by bacteria; (3) inhibits the growth of bacteria to prolong the life of the treated article; (4) provides a durable, non-leachable antimicrobial treatment; (5) provides built-in resistance to the growth of odor causing bacteria;

* 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).

The information and data contained herein are based on information we believe reliable. You should thoroughly test any application and independently conclude satisfactory performance before commercialization. Suggestions of uses should not be taken as inducements to infringe any particular patent.

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Ultra-Fresh^{*}
Trade Marks

Steri-Septic[®]

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THOMSON RESEARCH ASSOCIATES

A division of KROY CHEMICALS LTD.

95 King Street E., Suite 100, Toronto, Ontario, Canada M5C 1G4 Tel: (416) 955-1881 Fax: (416) 955-1887
e-mail: tra@interlog.com

Ultra-Fresh® NM-100

TECHNICAL DATA SHEET

Ultra-Fresh® NM-100

**E.P.A. Registration No. 10466-
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.

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% 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

Boiling Point	190-200 C
Freezing Point	55-60 C
Specific Gravity at 20 C	0.48-0.52 Kg/L
Ionic Nature	Nonionic
Vapour Pressure 20 C	4x10 ⁻⁵ mm Hg

Toxicity

Acute Oral LD ₅₀ (rats)	- 5000 mg/Kg
Skin Irritation (rabbits)	- Draize method score = 0
Eye Irritation (rabbits)	- Draize method score = 0

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APPLICATION PROCEDURES

Polymeric Systems

Ultra-Fresh® NM-100 will inhibit the growth of microorganisms in polymeric systems.

These include synthetic fibres, molded 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.

Ultra-Fresh*
Trade Marks

Steri-Septic®

6076

Ultra-Fresh® NM-100

PRECAUTIONS

Ultra-Fresh® 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 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.

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