

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAR 17 1998

Joseph E. Dyer
PM Resources, Inc.
13001 St. Charles Rock Road
Bridgeton, MO 63044

Subject: Purina I-O Concentrate
EPA Registration Number 67517-9
Your Submission Dated February 27, 1998

Dear Mr. Dyer:

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provide that you make the labeling change listed below before you release the product for shipment bearing the amended labeling.

Under the "Environmental Hazards Statement" revise "This pesticide is toxic to fish" to read: "This pesticide is toxic to fish and aquatic organisms." In the second sentence revise "or other waters" to read: "or public waters".

A stamped copy is enclosed for your records. Submit one copy of the final printed label before you release the product for shipment bearing the amended label.

If you have any questions concerning this letter, please contact Delores Williams at (703) 308-6372.

Sincerely,



Robert S. Brennis
Product Manager (32)
Regulatory Management Branch II
Antimicrobials Division (7504C)

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

Left

FRONT PANEL

i-O CONCENTRATE

A versatile germicide that kills many pathogenic bacteria and fungi such as Staphylococcus aureus, Salmonella choleraesuis, Pseudomonas aeruginosa, Treponema hyodysenteria and Trichophyton interdigitale.

For use in Food and Beverage Processing Plants, Food Handling Establishments, Industrial and Institutional Establishments, Farms, Laboratories, Mushroom Growing Operations, Hospitals and Nursing Homes.

For use on walls, floors, equipment, restrooms, refuse areas, animal rooms, cages, feeders, waterers, shoes, boots, and for cleaning sows prior to farrowing.

ACTIVE INGREDIENT:

Iodine*..... 3.50%

INERT INGREDIENTS:..... 96.50%
TOTAL 100.00%

U.S. Patent Nos. 2,931,777 - 3,028,299

*{From Alpha-(p-nonylphenyl)-omega-hydroxypoly (oxyethylene)-iodine complex}.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 17 1998

KEEP OUT OF THE REACH OF CHILDREN

DANGER

SEE SIDE/BACK PANEL FOR
ADDITIONAL PRECAUTIONARY STATEMENTS

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

67517-9

EPA Reg. No.: 67517-9

EPA Est. No.: 67517-MO-1

Net Contents: 1 GAL. (3.785L)

Manufactured By
PM RESOURCES, INC
13001 St. Charles Rock Road
Bridgeton, MO 63044

(Lot/Code/Product/Rev./Numbers as needed) Mfg. & Printed in U.S.A.
Precautionary Labeling Must Meet Type Size and Prominence Requirements.

SIDE/BACK PANEL

i-O CONCENTRATE

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

Corrosive. Causes severe eye and skin damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse. Avoid contamination of food. Harmful if inhaled.

STATEMENT OF PRACTICAL TREATMENT

If In Eyes: Hold eyelids open and flush with a steady gentle stream of water for 15 minutes. Get medical attention.

If On Skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If Swallowed: Call a doctor or get medical attention. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water.

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 the requirements of a National Pollutant Discharge Eliminate 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.

DIRECTIONS FOR USE

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

How to Mix: Blend i-O Concentrate with a small amount of water first; then dilute out to volume.

For Use in Poultry and Livestock Buildings, Dog Kennels, Laboratories, Zoos:

Remove all animals, feed and portable equipment from the premises. Remove all litter and manure from floors, walls and other surface areas of the facilities. Empty all troughs, racks and other feeding and watering appliances. Prescrape, presoak, and flush with water when necessary. Wash with a good detergent or compatible cleaner followed by a potable water rinse.

SIDE /BACK PANEL

i-O CONCENTRATE
DIRECTIONS FOR USE (Continued)

For Use in Poultry and Livestock Buildings, Dog Kennels, Laboratories, Zoos:
(Continued)

Add 1 ounce (2 tablespoonsful) of i-O Concentrate to each 4 gallons of water to provide 68 ppm of titratable iodine and spray to wet all surfaces thoroughly. To disinfect porous surfaces such as floors and walls use i-O Concentrate at the rate of 1 ounce in each two gallons of water to provide 136 ppm of titratable iodine. Immerse all halters, ropes and other equipment used in handling and restraining animals as well as forks, shovels and scrapers in a solution containing 1 ounce of i-O Concentrate per 4 gallons of water (provides 68 ppm titratable iodine). Ventilate buildings and other closed areas and allow the disinfectant solution to dry or be absorbed before animals are housed. Allow surface contact time of at least 1 minute. All treated feed racks, mangers, troughs, automatic feeders, fountains and waterers must be thoroughly scrubbed with detergents and rinsed with potable water before application of the sanitizing solution.

For Food Contact Surfaces: To sanitize surfaces, such as tables, counters or sinks, first remove all gross food particles and soil by preflushing, prescraping or presoaking. Wash surfaces or objects with a good detergent or compatible cleaner followed by a potable water rinse before application of a sanitizing solution. Use 1 ounce (2 tablespoonsful) of i-O Concentrate to each 12 gallons of water to provide 23 ppm of titratable iodine. Allow surface to contact time of at least 1 minute for proper sanitation, drain surface and allow to air dry. At this level no potable water rinse is required.

For Cleaning Sows: Before placing sows in farrowing pens or crates, scrub down flanks and udder with lukewarm solution of 1 ounce (2 tablespoonsful) i-O Concentrate to each 2 gallons of water. Use a soft-bristled brush. Let sow drain dry and do not rinse until just before farrowing.

For Shoe and Boot Sanitation Pans: Remove all litter, manure or dirt from the surface of the boots or shoes by washing or scraping. Use i-O Concentrate at the rate of 1 ounce (2 tablespoonsful) to each 2 gallons of water to provide 136 ppm of titratable iodine to help reduce the tracking of disease organisms into poultry, farrowing house and other livestock quarters. To kill Treponema hyodysenteria organisms use i-O Concentrate at the rate of 1 ounce (2 tablespoonsful) to each 1 gallon of water to provide 272 ppm of titratable iodine. Allow surface to contact time of at least 1 minute. Change solution daily.

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SIDE /BACK PANEL

i-O CONCENTRATE
DIRECTION FOR USE (Continued)

The i-O Concentrate is a versatile germicide that kills many pathogenic bacteria and fungi such as Staphylococcus aureus, Salmonella choleraesuis, Pseudomonas aeruginosa, and Trichophyton interdigitale.

A.O.A.C. Use Dilution Confirmation Test

Staphylococcus aureus	1:512
Salmonella choleraesuis	1:512
Pseudomonas aeruginosa	1:512

A.O.A.C. Fungicidal Test

Trichophyton interdigitale	1:512
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A.O.A.C. Germicidal Sanitizer Test

(1,000 ppm Hard Water)

Staphylococcus aureus	1:1536
Escherichia coli	1:1536

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in an area inaccessible to children. Do not store at temperatures above 120°F or below 32°F.

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.

Container Disposal: 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.

NOTICE OF WARRANTY

PM RESOURCES, INC. MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR OTHERWISE, EXPRESSED OR IMPLIED CONCERNING THIS PRODUCT, OR ITS USES WHICH EXTEND BEYOND THE USE OF THE PRODUCT UNDER NORMAL CONDITIONS IN ACCORD WITH THE STATEMENTS MADE ON THIS LABEL.