

FEB 1993

I. D. Russell Company
1301 Iowa Street
Longmont, Colorado 80501

Attention: Rick Stewart

Gentlemen:

Subject: Dual Chain
EPA Registration Number 346-41
Your Submission Dated November 25, 1992
EPA Received Date December 3, 1992

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, to update the product labeling, is acceptable provide that you make the following labeling revisions:


- a. Revise the subheading "Disposal" under the "Storage and Disposal" to read "Pesticidal Disposal".
- b. Delete the words "milk" and "egg whites" from the "Note to Physician" section.
- c. Delete the following statement from the "Note to Physician" section: "Measures against circulatory.....may be needed."
- d. Delete the phrase "General Classification" from the product labeling.

Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

If you have any questions concerning this letter, please contact Karen M. Leavy at (703)-305-6966.

Sincerely yours,

John H. Lee 
Product Manager-31
Antimicrobial Program Branch
Registration Division (H7505-C)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

Disinfection of Barber Tools. Pre-sharpened barber tools (such as combs, brushes, razors and scissors) can be disinfected by immersing in a 0.5 or 1/10 gallon solution of RUSSELL/DUAL CHAM.

Disinfection of Poultry Equipment, Animal Quarters and Kennels. Poultry brood watering fountains, feeding equipment and other animal quarters (such as stalls and kennel areas) can be disinfected after thorough cleaning by applying a solution of 1 oz RUSSELL/DUAL CHAM to 5 gallons of water. Small utensils should be immersed in this solution.

Prior to disinfection, all poultry, other animals and their feeds must be removed from premises. This includes emptying all troughs, racks and other feeding and watering appliances. Remove all litter and droppings from floors, walls and other surfaces occupied or traversed by poultry or other animals.

After disinfection, ventilate buildings, coops and other closed spaces. Do not house poultry or other animals or employ equipment until treatment has been absorbed set or dried.

All treated equipment that will contact feed or drinking water must be rinsed with potable water before reuse.



Sanitizing of Food Processing Equipment and Other Hard Surfaces in Food Contact Locations. For sanitizing food processing equipment, dairy equipment, food utensils, drains, silverware, glass and food countertops, refrigerated storage and display cases, etc., and other hard non-porous surfaces, the following sanitizing procedure is required.

Wash and rinse all articles thoroughly. Then apply a solution of 1 oz of RUSSELL/DUAL CHAM in 10 gallons of water (150ppm solution). Surfaces should remain wet for at least one minute followed by thorough rinsing and air drying. Fresh solution should be prepared daily or when use solution becomes visibly dirty. For mechanical application, use solution may not be reused for sanitizing applications.

Apply to sink tops, countertops, refrigerated storage and display equipment and other stationary hard surfaces by cloth or brush or mechanical spray device. No potable water reuse is required.

Drain, silverware, glasses, cooking utensils and other similar non-food processing equipment can be sanitized by immersion in a 1 oz/10 gallon solution of RUSSELL/DUAL CHAM. No potable water reuse is required.

A 1 oz/10 gallon RUSSELL/DUAL CHAM solution fulfills the criteria of Appendix F of the General Sanitation Ordinance 1978 Recommendations of the U.S. Public Health Service in waters up to 800 ppm of hardness calculated as CaCO₃ when evaluated by the AOAC Germicidal and Disinfectant Sanitization Method against Escherichia coli and Staphylococcus aureus.

The utensils, tanks and leafy vegetables can be sanitized by washing with a solution of 1 oz of RUSSELL/DUAL CHAM in 10 gallons of warm water. A potable water rinse is required. Use a high level for each case. Avoid cross-contamination. Sanitizing solution by hot and cold. Do not dehydrate lower back with sanitizing solution. When solution becomes visibly dirty, discard and prepare fresh solution.

FOR SALE FOR USE AND STORAGE BY MAINTENANCE PERSONNEL ONLY

Precautionary Statements
Hazards to Humans and domestic animals

DANGER

Keep out of reach of children. Corrosive. Causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling this product. Harmful if swallowed. Do not breathe spray mist. Avoid contamination of food.

STORAGE AND DISPOSAL

STORAGE: Keep or container closed when not in use. Avoid lengthy exposure to extreme temperatures.

DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or residue 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. Triple rinse (or equivalent). Then use for recycling or reconditioning, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

RUSSELL/DUAL CHAM

Disinfectant - Sanitizer - Fungicide - Deodorant with Organic Sulfur Tolerance for Hospital, Institute, Hospital, School, Dairy and Other Farm Use

Active Ingredients

Alkyl (C₁₂-50%; C₁₄-40% C₁₆-10%) dimethyl benzyl ammonium chloride
Octyl dicyl dimethyl ammonium chloride
Dodecyl dimethyl ammonium chloride
Dodecyl dimethyl ammonium chloride
Inert Ingredients

KEEP OUT OF REACH OF CHILDREN
DANGER

Statement of Practical Treatment
In case of contact, immediately flush eyes or skin with water for at least 15 minutes. For eyes, call a physician and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of still, or carbonated water, or if these are not available, drink large quantity of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Prolonged mucosal damage may indicate the use of gastric lavage. ~~Do not use emetics.~~

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

CONSULT MATERIAL SAFETY DATA SHEET PRIOR TO USE
EPA Registration No. _____
EPA Establishment No. _____
Net Contents _____

MANUFACTURED BY:
I. D. RUSSELL COMPANY LABORATORIES, LONGMOON, CALIFORNIA

ACCEPTED FOR COMMENT
in EPA Approval
MAR 3 1993
346-41

BEST AVAILABLE COPY