

464-689

7/8/2004

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JUL - 8 2004

The Dow Chemical Company
1500 E. Lake Cook Road
Buffalo Grove, IL 60089

Attention: Maureen Mikszal
Senior Regulatory Specialist

Subject: UCARSAN Sanitizer 420
EPA Registration No. 464-689
Amendment Dated March 16, 2004

The amendment, submitted in connection with registration under the FIFRA sec. 3(c)(7)(A), to amend the product labels to include additional pest claims and other labeling changes, is acceptable, provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec.3(c)(5) and sec. 4 when the Agency requires all registrants of similar products to submit such data.
2. Delete any reference to the Food and Mouth Disease Virus (FMDV) claim until you have submitted the requested Confirmatory Efficacy Data as outlined in the Agency letter dated July 2, 2001. The request for a time-limited amendment for the Foot and Mouth Disease Virus claim is not acceptable. Please note that this claim has been blacken on the product label. Refer to the enclosed Efficacy Review for any additional comments and deficiencies found under "CONCLUSIONS AND RECOMMENDATIONS" in regard to item #2.
3. Refer to the enclosed Efficacy Review, page 3 of 6 item #II, for additional use directions under the headings "For the use against the Foot and Mouth Disease Virus and "For Sanitizing Non-Food Contact Surfaces".
4. On the proposed label, change "Corona virus" to "Coronavirus".
5. Submit two (2) copies of final printed labeling before you release the product for shipment.

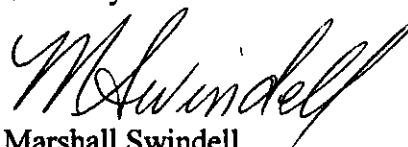
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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely



Marshall Swindell
Product Manager (33)
Regulatory Management Branch 1
Antimicrobials Division (7510C)

Enclosure

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER
KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled. Harmful if swallowed. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes asthmatic signs and symptoms in hyper-reactive individuals.

Do not get in eyes, on skin, on clothing.
 Avoid breathing vapor. Do not swallow.
 Wear goggles, protective clothing, and butyl or nitrile gloves.
 Wash thoroughly with soap and water after handling.
 Remove contaminated clothing and wash before reuse.

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 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.

STORAGE AND HANDLING

UCARSAN™ Sanitizer 420 is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. UCARSAN™ Sanitizer 420 can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about 16°F (-9°C). Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage times (up to about 1 month), temperatures of up to 37.8°C can be tolerated but the preferred maximum storage temperature is about (28.7°C). A stainless steel centrifugal pump is suggested for transfer service. Spiral wound stainless steel with TEFLON® is suitable for gaskets and packing.

Handle in a well-ventilated area. If vapors are irritating to the nose or eyes, special ventilation or respiratory protection (MSHA/NIOSH approved air purifying respirator equipped with an organic vapor cartridge) may be required.

LIMITED WARRANTY AND DISCLAIMER

Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

BEFORE HANDLING OR USING, THIS PRODUCT, SEE YOUR EMPLOYER AND READ CURRENT MATERIAL SAFETY DATA SHEET.

STORAGE AND DISPOSAL

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinseate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or your Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
CONTAINER DISPOSAL: Metal Containers or Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures approved by state and local authorities. Plastic Containers: May be incinerated, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Metal Containers: Must not be incinerated. Do not cut or weld on or near metal containers.

NOTICE
 Do Not Ship or Store with Food, Feeds, Drugs, or Clothing

UCARSAN™ SANITIZER 420

AN INDUSTRIAL SANITIZER PRODUCT FOR USE IN CONTROLLING MICROBIAL CONTAMINATION IN ANIMAL PRODUCTION FACILITIES AND FARM EQUIPMENT SUCH AS: POULTRY & TURKEY HOUSES, SWINE HOUSING AND FARROWING AREAS, BARN AND LARGE ANIMAL BUILDINGS, HATCHERS, SETTERS, AND CHICK PROCESSING FACILITIES, CAGES AND TRANSPORT VEHICLES AND HATCHING EGGS AND FOR SANITIZING INDUSTRIAL OR NON-FOOD CONTACT SURFACES; SUCH AS EQUIPMENT FOR MIXING, PACKING, OR PACKAGING PRODUCTS, PRODUCT TRANSFER LINES, STORAGE TANKS, FLOORS AND WALLS.

Active Ingredient: Glutaraldehyde 20%

Inert Ingredients: 80%

100%

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

If swallowed:

- Call CHEMTREC or a doctor immediately for treatment advice.
- DO NOT INDUCE VOMITING.
- Do not give anything to drink.

If in eyes:

- Wash immediately and continuously with flowing water for at least 30 minutes.
- Remove contact lenses after the first 5 minutes and continue washing.
- Obtain prompt medical consultation, preferably from an ophthalmologist.

If on skin or clothing:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call CHEMTREC or a doctor for treatment advice.

If inhaled:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.
- Call CHEMTREC or a doctor for further treatment advice.

NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

Have the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.

ACCEPTED
 with COMMENTS
 in EPA Letter Dated:

JUL 0 8 2004

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

464-689

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

EPA Reg. No. 464-689
 EPA Est. No. 10352-WW-2 (A); 464-WV-1 (B)
 EPA Est. No. 10352-WV-1 (C)
 (A) 5 gallon pails in pallets; all drums; bulk
 (B) Single 5 gallon pails only.
 (C) Bulk Shipments



THE DOW CHEMICAL COMPANY
 Midland, Michigan 48674 U.S.A.
 1-800-258-CHEM

*Trademark of THE DOW CHEMICAL COMPANY

Net Contents: 5 or 55 gallons

| | |
|-----------------------------|------------------------------|
| CONTAINER SIZE 5 GALLONS | CONTAINER SIZE 55 GALLONS |
| 43 POUNDS NET WEIGHT | 470 POUNDS NET WEIGHT |

L55911 (1 03/04)
 Made In USA
 PE0304

IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect 989-636-4400.

DIR
 Regulation of Federal law to
SANITIZING NON-FOOD CONTACT SURFACES IN FARM AND HOUSING FACILITIES AND EQUIPMENT

DO NOT USE

Product dilution:
 To sanitize vegetative pathogens, including: *Haemophilus parvus*, *Klebsiella*, *Pasteurella multocida*, *Salmonella enteritidis*, and *Streptococcus suis*, and Avian *laryngotracheitis*, Avian reovirus, Marek's disease virus, *Pseudorabies virus*, and reproductive respiratory syndrome virus.

1. Thoroughly saturate all surfaces with 1.5 fluid ounces of UCARSAN™ 420. Dilute to 0.10% to 0.25% active ingredient.
2. Allow to stand for at least five minutes.
3. Ventilate thoroughly before re-use.
4. Fresh solution should be prepared daily.

Farm Equipment

(poultry & turkey grow-out houses, laying houses)

Before applying UCARSAN™ Sanitizer 420:

1. Remove all poultry and other animals and feed from troughs. If not removed, all treated troughs must be thoroughly washed with water before use.
2. Remove all litter and manure from floors and walls. Apply UCARSAN™ Sanitizer 420 for at least ten minutes.
3. Using suitable commercially available equipment, dilute to 0.10% to 0.25% active ingredient (Dilution, above).
4. Allow to stand for at least five minutes or until dried.
5. Ventilate enclosed spaces.
6. Do not repopulate with poultry or other animals.

Hatchers, Settlers

1. General sanitizing of environmental surfaces: leathers, turf, or other debris. Thoroughly saturate with UCARSAN™ Sanitizer 420. Allow to stand for at least ten minutes. Ventilate thoroughly before reuse.
2. Treatment of air and surfaces after introduction of a solution by mixing the appropriate amount of UCARSAN™ Sanitizer 420 into water. Saturate this solution into settlers or hatchers.
3. Treatment of air and surfaces after introduction of product using appropriate application equipment.
4. Treatment of equipment for use in hatchery or settling houses. Saturate with UCARSAN™ Sanitizer 420 (100 ppm active) per 100 gallons of water in trays, racks, carts, etc.

Trays, Racks, Carts, etc.

1. Remove all litter and heavy debris from surface.
2. Prepare a solution by mixing the appropriate amount of UCARSAN™ Sanitizer 420 into water.
3. Apply by spraying or immersion, and allow to stand for at least five minutes.

1. Remove all litter and heavy debris from surface.
2. Prepare a solution by mixing the appropriate amount of UCARSAN™ Sanitizer 420 into water.
3. Apply by spraying or immersion, and allow to stand for at least five minutes.

Prepare a solution by mixing 0.64 ounces of UCARSAN™ Sanitizer 420 into 115°F (40° to 45°C). Place freshly laid eggs in solution.

1. Remove all litter and feed from troughs. If not removed, all treated troughs must be thoroughly washed with water before use.
2. Remove all litter and manure from floors and walls. Apply UCARSAN™ Sanitizer 420 for at least ten minutes.
3. Using suitable commercially available equipment, dilute to 0.10% to 0.25% active ingredient by spraying with a solution of UCARSAN™ Sanitizer 420. Allow to stand for at least five minutes.
4. Allow to stand for at least five minutes or until dried.
5. Ventilate enclosed spaces.
6. Do not repopulate with animals or use equipment until dried.

SANITIZING NON-FOOD CONTACT SURFACES

Before applying UCARSAN™ Sanitizer 420, remove all litter and heavy debris from surface. Dilute to 0.10% to 0.25% active ingredient by using suitable commercially available equipment. Allow to stand for at least five minutes or until dried. Ventilate enclosed spaces.