

PM31

1769-227

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DEC 16 1994

NCH Corp  
2727 Chemsearch Blvd.  
Irving, TX 75062

Attention: Mark S. Cohen  
Director of Technical Service

Subject: Chemene X  
EPA Registration No. 1769-227  
MOU Compliance Amendment dated October 28, 1994

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

The labeling submitted in compliance with PR Notice 94-4 is acceptable. A stamped copy is enclosed for your records.

If you have any questions concerning this letter, please contact Wanda Mitchell at (703) 305-6141.

Sincerely yours,



Walter C. Francis  
Acting Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (7505C)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

DEC 16 1994

**CHEMENE-X**

Disinfectant  
Sanitizer  
Deodorant

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

1769-227

**ACTIVE INGREDIENTS**

n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18)	
dimethyl benzyl ammonium chlorides.....	5.0%
n-Alkyl (68% C12, 32% C14)	
dimethyl ethylbenzyl ammonium chlorides.....	5.0%
<b>INERT INGREDIENTS.....</b>	<b>90.0%</b>
<b>TOTAL.....</b>	<b>100.0%</b>

**DANGER**

**KEEP OUT OF REACH OF CHILDREN**

(See side panel for additional precautionary statements.)

EPA Reg. No. 1769-227

**NET CONTENTS:**

NATIONAL CHEMSEARCH  
Div. of NCH Corporation  
2727 Chemsearch  
Irving, Texas 75062

**DIRECTIONS FOR USE**

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

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to preclean critical or semi-critical medical devices prior to sterilization or high level disinfection.

**GENERAL DISINFECTION OF INANIMATE OBJECTS AND ENVIRONMENTAL SURFACES SUCH AS FLOORS, WALLS, FURNITURE AND FIXTURES IN HOSPITAL ROOMS AND WARDS, OPERATING ROOMS, CORRIDORS, LAVATORIES FOR WASH BASINS, URINALS AND FLOORS AND SIMILAR AREAS IN SCHOOLS, MOTELS, HOTELS AND OTHER PUBLIC BUILDINGS:** Clean with a suitable detergent and rinse. To the clean surface, apply a solution of 3 1/2 ounces of CHEMENE-X in 5 gallons of water by mopping, swabbing or wiping on the surface. Contact time for disinfection should be at least 10 minutes. Effective against *Pseudomonas aeruginosa*.

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**FOR ROOM FOGGING:** To minimize the danger of cross-contamination to maintenance personnel, apply a solution of CHEMENE-X as a fog as described below, before applying standard routine terminal cleaning and disinfecting practices.

1. Remove all human, animal and plant life from the room.
2. Open closet doors and drawers. Seal heating and air conditioning ducts.
3. Set up a 34 inch high, 3 rpm revolving platform in center of room.
4. Mount AEROFOG 300 GENERATOR or other fogging device delivering equivalent spray.
5. Fill fogger reservoir with solution of 1.5 ounce CHEMENE-X in 1 gallon of water (1150 ppm active ingredients).
6. Set fogger to deliver 1 gallon of solution in 15 minutes.
7. Fog for 15 minutes for an average 2,100 cubic foot room. For different room sizes, vary fogging time proportionately to achieve complete wetting of exposed surfaces.
8. Wait 2 hours before entering room after treatment.
9. Rinse fogging equipment thoroughly with clear water following use.

**SANITIZATION OF GLASSWARE, SILVERWARE, DISHES AND COOKING UTENSILS:**

1. Scrape and pre-wash utensils and glassware whenever possible.
2. Wash with a good detergent or compatible cleaner.
3. Rinse with clean water.
4. Sanitize in a solution of 1 ounce of CHEMENE-X to 4 gallons of water (200 ppm). Immerse all utensils for at least 2 minutes or contact time specified by governing sanitary code.
5. Place sanitized utensils on a rack or drainboard to air dry. A potable water rinse is not required.

A solution of 1 ounce of CHEMENE-X to 4 gallons of water is effective up to 750 ppm hardness.

**SANITATION OF DAIRY EQUIPMENT:** Remove all gross food particles by pre-cleaning or pre-scraping. Clean with a good detergent or other compatible cleaner and rinse the equipment thoroughly with potable water. Then apply a solution of 1 ounce of CHEMENE-X in 4 gallons of water (200 ppm) by flooding the surface, mopping or wiping on. The solution should remain in contact with the surface for at least 1 minute. Drain the solution from the surface and allow to air dry. No rinse is required.

**SANITIZING EQUIPMENT IN FOOD PROCESSING AND MEAT PACKING PLANTS:** Remove all gross food particles by pre-cleaning or pre-scraping. Clean with a good detergent or other compatible cleaner and rinse the equipment thoroughly with potable water. Then apply a solution of 1 ounce of CHEMENE-X in 4 gallons of water (200 ppm) by flooding the surface, mopping or wiping on. The solution should remain in contact with the surface for at least 1 minute. Drain the solution from the surface and allow to air dry. No rinse is required.

**LAUNDRY RINSE SANITIZER:** Add 3 1/2 ounces of CHEMENE-X per 100 pounds of laundry in no more than 50 gallons of final rinse water. This will impart residual bacteriostatic properties to the treated fabric such as bed linens, diapers and blankets.

**DEODORIZING AND CONTROLLING MOLD AND MILDEW IN AIR-CONDITIONING AND HEATING DUCTS:** To deodorize musty odors and to control mold and mildew, follow the simple directions below.

1. Turn off air-conditioning or heating system.
2. Remove vent cover, if possible, and insert nozzle of AEROFOG 300 generator or other fogging device that delivers on equivalent spray into duct opening.
3. Fill the fogging reservoir with a solution of 1.5 ounces of CHEMENE-X in 1 gallon of water.
4. Set the fogger to deliver 1 gallon in 15 minutes.
5. Fog ducts for 15 minutes for 2100 cubic feet of duct space.
6. Wait 2 hours before turning system on.
7. Rinse the fogging equipment thoroughly with clean water following use.

#### **STORAGE AND DISPOSAL**

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

**STORAGE:** KEEP CONTAINER CLOSED.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, 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**

**PLASTIC 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 the smoke.

**METAL CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

#### **PRECAUTIONARY STATEMENTS**

##### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER:** Harmful or fatal if swallowed. Do not get in eyes, on skin, or on clothing. Corrosive. Causes eye and skin damage. Wear goggles or face shield and rubber gloves when handling.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

##### **STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Drink one or two glasses of water, and call a physician or Poison Control Center immediately.

**IF INHALED:** Remove victim to fresh air. Apply artificial respiration if indicated.

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**IF ON SKIN:** Remove contaminated clothing and wash affected areas with soap and water.

**IF IN EYES:** Flush eyes with plenty of water. Call a physician immediately.

**For medical or environmental emergencies, call 214-438-1381.**

Not for Resale

MADE IN THE U.S.A.

9M410

EPA Est. No. 4140-

CA-1 IN-1 NJ-1 PR-1 TX-1 TX-2