

PM 31

1839-101

8/7/98

1/4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

6 7 1998

Stepan Company  
22 West Frontage Road  
Northfield, IL 60093

ATTN: Leo Dringoli, Manager, Product Registration

SUBJECT: CD 1.6 (D&F) Detergent /Disfectant  
EPA Registration No. 1839-101  
Amendment Dated May 21, 1998

Dear Mr. Dringoli:

A review of the data you sent in to see if your product is effective against Canine Parovirus is not a public health claim for humans. The data was not reviewed. You may have the claim on your label but not for public health for humans. The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

If you have any further questions, please contact Barbara Pringle at (703)308-6236.

Enclosure

Sincerely,

*Velma Noble for*

Velma Noble  
Team Leader 31  
Regulatory Management Branch I  
Antimicrobial Division

CONCURRENCES

SYMBOL	75100						
SURNAME	Pringle						
	8-7-98						

2/4

# CD 1.6 (D&F) Detergent/Disinfectant

CLEANER	DISINFECTANT
DETERGENT	FUNGICIDE (against
MILDEWSTAT (on hard inanimate	Pathogenic fungi)
surfaces)	*VIRUCIDE
CANINE PARVOCIDAL	

### ACTIVE INGREDIENTS

Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> ) dimethyl benzyl ammonium chlorides .....	0.80%
Alkyl (68% C <sub>12</sub> , 32% C <sub>14</sub> ) dimethyl ethylbenzyl ammonium chlorides .....	0.80%
<b>INERT INGREDIENTS</b> .....	<b>98.40%</b>
<b>TOTAL</b>	<b>100.00%</b>

EPA REG. NO. 1839-101  
EPA EST. NO. 1839-IL-01

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER**

See side panels for additional precautionary statements.

**STEPAN COMPANY**  
22 West Frontage Road • Northfield, IL 60093

ACCEPTED  
with COMMENTS  
to EPA Letter Dated  
AUG 7 1998  
AUG.  
Under the Federal Insecticide,  
Fungicide and Rodenticide Act  
as amended by the pesticide  
reform law EPA Reg. No.  
1839-101

NET CONTENTS

(Middle Panel)

Amend 2; May 1998

34

## DIRECTIONS FOR USE

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

CD 1.6 (D&F) Detergent/Disinfectant has been designed to provide effective cleaning, deodorizing, and disinfection specifically for hospitals, nursing homes, households, schools, animal quarters, kennels, food processing plants, food service establishments and other institutions where housekeeping is of prime importance in controlling the hazard of cross contamination.

This product, when used as directed, this product is formulated to disinfectant hard nonporous, inanimate environmental surfaces such as floors, walls, metal surfaces, stainless steel surfaces, porcelain, glazed ceramic tile, plastic surfaces, bathrooms, shower stalls, bathtubs, cabinets, tables, chairs, and telephones. For larger areas such as operating rooms, patient care facilities and restrooms, this product is designed to provide both heavy duty cleaning and disinfection. When used as directed, this product will remove most household dirt in a single application.

This product deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, toilet bowls and other areas which are prone to odors caused by microorganisms.

**DISINFECTION** - To disinfect hard inanimate surfaces apply solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes and then let air dry.

**GENERAL DISINFECTION** - Add 4.5 ounces of this product per gallon of water.

To disinfect toilet bowls, flush toilet, add 4.5 ounces of this product directly to the bowl water. Swab the bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand for 10 minutes and flush.

**HOSPITAL DISINFECTION** - Add 6 ounces of this product per gallon of water.

For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use.

**FOR DISINFECTION AGAINST CANINE PARVOVIRUS** - Add 18 ounces of this product per gallon of water.

**DISINFECTION OF POULTRY EQUIPMENT, ANIMAL QUARTERS AND KENNELS** - For disinfection of pre-cleaned poultry equipment (brooders, watering founts, feeding equipment), animal quarters and kennels, apply a solution of 6 ounces of this product per gallon of water. Remove all poultry, animals, and feed from premises, trucks, coops, and crates. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry or animals. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate the surfaces with the disinfecting solution for a period of 10 minutes. Ventilate building, coops, and other closed spaces. Do not house poultry or 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.

**BACTERICIDAL ACTIVITY** - When diluted at the rate of 4.5 ounces per gallon of water, this product exhibits disinfectant activity against the organisms: *Salmonella choleraesuis*, *Staphylococcus aureus* and *Escherichia coli*.

When diluted at the rate of 6 ounces per gallon of water, this product exhibits effective disinfectant activity against *Pseudomonas aeruginosa* in addition to the above microorganisms and meets all requirements for hospital use.

**\*VIRUCIDAL ACTIVITY** - This product, when used on environmental inanimate hard nonporous surfaces at a dilution of 18 ounces per gallon of water exhibits effective virucidal activity against Canine Parvovirus.

**MILDEWSTAT** - To control mold and mildew and the odors they cause on pre-cleaned, hard, non-porous surfaces add 4.5 ounces of this product per gallon of water. Apply solution with a cloth, mop or sponge making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears.

At the 4.5 ounces per gallon dilution CD 1.6 (D&F) Detergent/Disinfectant is also fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes*.

EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE AND FUNGICIDE IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).

Stepan Company  
Northfield, IL 60093  
EPA Reg. No. 1839-101

(Left Panel)

ACCEPTED  
with COMMENTS  
EPA Letter dated  
AUG 7 1998  
LAW 7 1388  
Amend. 21 May 1998  
1839-101

4/4

# PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS.  
DANGER

KEEP OUT OF REACH OF CHILDREN. 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. Avoid contamination of food. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

## STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician.. If swallowed, drink promptly large quantities of water. Do not induce vomiting. Avoid alcohol. Call physician immediately.

## NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

## 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 DISPOSAL

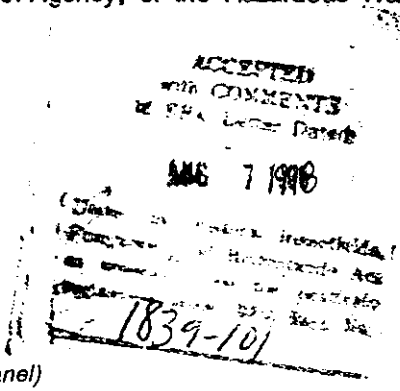
DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

**STORAGE** - Store in a dry place no lower in temperature than 50°F or higher than 120°F.

**CONTAINER DISPOSAL** - Do not reuse empty container. Triple rinse empty container with water. Return metal drum or offer for reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned stay out of smoke.

**For containers 1 gallon or less:** Do not reuse empty container. Rinse thoroughly before discarding in trash.

**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.



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