

1839-93

6/2/2000

1 of 2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Stepan Company
22 W. Frontage Road
Northfield, IL 60093


JUN 02 2000

Subject: Powder Detergent Disinfectant
EPA Registration No. 1839-93
Notification Date: 5/3/00 and 5/4/00
EPA Receive Date: 5/9/00

Attention: Mr. Bruce Greene

This letter acknowledges receipt of your notifications to add the dilution rate of 1/8 ounce of product per quart of water, the phrase, "bulk product," and the phrase, "For Commercial and Institutional Use Only," to the label submitted under the provisions of FIFRA sec. 3(c)9. Based on a review of the submitted materials, the notification is acceptable and apart of the records for this file.

If you have any questions regarding this letter, please contact Jacqueline Campbell at (703) 308-6416.

Sincerely

Velma Noble
Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510C)

CONCURRENCES

SYMBOL	7510C							
SURNAME	Campbell							
DATE	6/18/00							

EPA Form 1320-1A (1/90)

Printed on Recycled Paper

OFFICIAL FILE COPY

20f12

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
268834

Application for Pesticide - Section I

1. Company/Product Number 1839-93	2. EPA Product Manager Velma Noble	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Powder Detergent Disinfectant	PM# 31	
5. Name and Address of Applicant (Include ZIP Code) Stepan Company 22 W. Frontage Road Northfield, IL 60093 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Addition of ~~OPTIONAL~~ OPTIONAL statement on the front panel:
"For Commercial and Institutional Use Only"

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input checked="" type="checkbox"/> Yes* <input type="checkbox"/> No * Certification must be submitted	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per container 1.80Z + 1.20Z	Water Soluble Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wgt. No. per container 1.80Z + 1.20Z	<input checked="" type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input checked="" type="checkbox"/> Other (Specify) PUA		
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1 lb. to 50 lbs. bulk 1.20Z PKT - 1.20Z packet		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Bruce L. Greene	Title RSM Sr. Regulatory Chemist	Telephone No. (Include Area Code) 847/581-2329
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Bruce L. Greene</i>	3. Title Sr. Regulatory Chemist	
4. Typed Name Bruce L. Greene	5. Date 5/4/00	

Stepan

Stepan Company

Northfield, Illinois 60093
Telephone 847 446 7500



3 of 12

May 3, 2000

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, DC 20460-0001
Attn: Ms. Jacqueline Campbell

Re: **Label Update:** Powder Detergent Disinfectant
EPA Reg. No. 1839-93
Notification OPP Identifier Number 211838, dated 1/13/2000
Notification OPP Identifier Number 268827, dated 3/20/2000
EPA response letter dated 2/18/2000

Dear Ms. Campbell:

This letter is in response to your above referenced letter regarding the use of "bulk product" on the label. Per the enclosed label copy, I am proposing giving the user an additional option to "measure powder" at various use dilutions starting with 1/8 ounce per quart of water. Also, because of the 1/8 ounce water soluble packets, the number of packets in the net contents has been revised.

Please note that I have highlighted in yellow the proposed label change.

Thank you for your attention on this matter. If you should have any questions, please do not hesitate to contact me at Stepan Company at 847-501-2329 (my direct number).

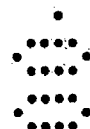
Sincerely,
STEPAN COMPANY

Bruce L. Greene
Sr. Regulatory Chemist

BG/slf

Attachments

BG-00-168



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31

Stepan

Stepan Company

Northfield, Illinois 60093
Telephone 847 446 7500



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May 4, 2000

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, DC 20460-0001
Attn: PM 31—Velma Noble

Re: **Label Update via Notification:**
Powder Detergent Disinfectant
EPA Reg. No. 1839-93

Dear Ms. Noble:

Stepan Company is proposing to add the following *optional* statement to the Front Panel of the subject product label:

For Commercial and Institutional Use Only.

Please note that I have highlighted in yellow the proposed label change.

Thank you for your attention on this matter. If you should have any questions, please do not hesitate to contact me at Stepan Company at 847-501-2329 (my direct number).

Sincerely,
STEPAN COMPANY

Bruce L. Greene
Sr. Regulatory Chemist

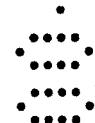
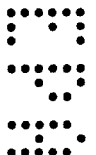
BG/slf

Attachments

BG-00-170



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POWDER DETERGENT/DISINFECTANT

CLEANER
DETERGENT
DEODORIZER
* VIRUCIDE
MILDEWSTAT (on hard
inanimate surfaces)

DISINFECTANT
FUNGICIDE (against
Pathogenic fungi)

ACTIVE INGREDIENTS

Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chlorides.....	7.95%
Alkyl (68% C ₁₂ , 32% C ₁₄) dimethyl ethylbenzyl ammonium chlorides.....	7.95%

INERT INGREDIENTS	84.10%
Total	100.00%

KEEP OUT OF REACH OF CHILDREN DANGER

See side panel for additional precautionary statements.

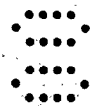
EPA REG. NO. 1839-93
EPA EST. NO. 1839-IL-01

STEPAN COMPANY
22 West Frontage Road • Northfield, IL 60093

TOTAL NET CONTENTS 2 lb.13 oz.
90 Water Soluble Packets, Each Containing ½ oz. of product
or
360 Water Soluble Packets, Each Containing 1/8 oz. of product

(Center Panel)

3/20/00 Notification



60912

DIRECTIONS FOR USE

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

Powder Detergent/Disinfectant is a phosphate-free formulation designed to provide effective cleaning, deodorizing, and disinfection specifically for hospitals, nursing homes, and other institutions where housekeeping is of prime importance in controlling the hazard of cross-contamination.

This product, when used as directed, is formulated to disinfect inanimate, hard nonporous surfaces such as walls, floors, sink tops, tables, and chairs. For larger areas such as operating rooms, patient care facilities, and restrooms, this product is designed to provide both general cleaning and disinfection.

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

PACKETS - Tear open packet-follow label dilution instructions and discard opened packet according to label disposal instructions.

Water soluble packet-follow label dilution instructions by dropping packet directly into water. Do not remove packets before use. Store in cool dry place. Do not handle packets with wet hands.

DISINFECTION - To disinfect inanimate, hard nonporous surfaces add one (1/8 oz. or 1/2 oz.) pre-measured packet of product or measure powder at the following use dilutions:

Add this amount of product:	1/8 ounce (3.55 gm)	1/2 ounce	One ounce	1 1/2 ounces
in warm water to make:	One Quart	One Gallon	Two Gallons	Three Gallons

Stir gently to form a uniform solution. 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.

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

BACTERICIDAL ACTIVITY - At the stated Disinfection dilution rate, this product exhibits effective disinfectant activity against the organisms: Pseudomonas aeruginosa PRD-10, Escherichia coli, Klebsiella pneumoniae, Salmonella schottmuelleri, Salmonella choleraesuis, Brevibacterium ammoniagenes, Streptococcus faecalis, Shigella dysenteriae, Staphylococcus aureus, Enterobacter aerogenes and meets all requirements for hospital use.

MILDEWSTAT - To control mold and mildew on pre-cleaned, hard, nonporous surfaces mix this product at the stated dilution rate for Disinfection. Apply solution with a mop, cloth, sponge or hand pump trigger sprayer 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 disinfectant dilution rate, this product is also fungicidal against the pathogenic fungi, Trichophyton mentagrophytes.

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

* **VIRUCIDAL ACTIVITY** - This product, when used on environmental, inanimate, hard surfaces at the Disinfectant dilution rate, exhibits effective virucidal activity against HIV-1, Influenza A₂, Parainfluenza Type 1 (Sendai), Canine Distemper, Feline Pneumonitis, Vaccinia virus, Herpes Simplex Type 1.

KILLS HIV-1 ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care settings (Hospitals, Nursing Homes) or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

PERSONAL PROTECTION: When handling items soiled with blood or body fluids use disposable latex gloves, gowns, masks, or eye coverings.

CLEANING PROCEDURES: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of Powder Detergent/ Disinfectant.

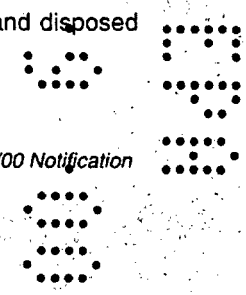
CONTACT TIME: Allow surface to remain wet for 10 minutes.

DISPOSAL OF INFECTIOUS MATERIALS: Blood and other body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal.

Stepan Company
Northfield, IL
EPA Reg. No. 1839-93

(Left Panel)

3/20/00 Notification



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 egg whites or gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a 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 then 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.

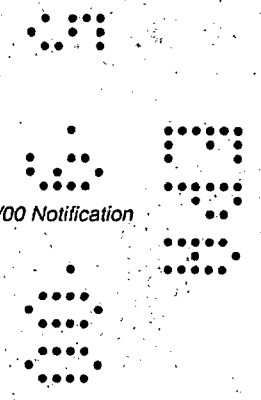
PACKET DISPOSAL - Do not reuse packet. Discard packet in trash.

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.

Stepan Company
Northfield, IL
EPA Reg. No. 1839-93

(Right Panel)

3/20/00 Notification



80912

Packet Label:

**POWDER
DETERGENT/DISINFECTANT**

ACTIVE INGREDIENTS

Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chlorides	7.95%
Alkyl (68% C ₁₂ , 32% C ₁₄) dimethyl ethylbenzyl ammonium chlorides	7.95%

INERT INGREDIENTS	84.10%
Total	100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER

See master label for additional precautionary statements
and use directions.

Disposal - Do not reuse empty packet. Wrap packet and put in
trash.

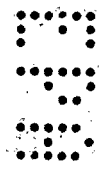
EPA REG. NO. 1839-93
EPA EST. NO. 1839-IL-01

STEPAN COMPANY
22 West Frontage Road • Northfield, IL 60093

Mix contents in **1 gallon** of water.
NET WEIGHT CONTENTS: **½ ounce**

or

Mix contents in **1 quart** of water.
NET WEIGHT CONTENTS: **1/8 ounce**



3/20/00 Notification

Water Soluble Packet Label:

**POWDER
DETERGENT/DISINFECTANT**

ACTIVE INGREDIENTS

Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chlorides	7.95%
Alkyl (68% C ₁₂ , 32% C ₁₄) dimethyl ethylbenzyl ammonium chlorides	7.95%

INERT INGREDIENTS	84.10%
Total	100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER

See master label for additional precautionary statements
and use directions.

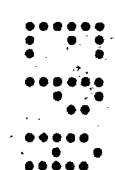
EPA REG. NO. 1839-93
EPA EST. NO. 1839-IL-01

STEPAN COMPANY
22 West Frontage Road • Northfield, IL 60093

Add one packet in **1 gallon** of water.
NET WEIGHT CONTENTS: **½ ounce**

or

Add one packet in **1 quart** of water.
NET WEIGHT CONTENTS: **1/8 ounce**



3/20/00 Notification



POWDER DETERGENT/DISINFECTANT

CLEANER
DETERGENT
DEODORIZER
* VIRUCIDE
MILDEWSTAT (on hard
inanimate surfaces)

DISINFECTANT
FUNGICIDE (against
Pathogenic fungi)

(For Commercial and Institutional Use Only)

ACTIVE INGREDIENTS

Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chlorides.....	7.95%
Alkyl (68% C ₁₂ , 32% C ₁₄) dimethyl ethylbenzyl ammonium chlorides.....	7.95%
INERT INGREDIENTS.....	84.10%

Total	100.00%
-------	---------

KEEP OUT OF REACH OF CHILDREN DANGER

See side panel for additional precautionary statements.

EPA REG. NO. 1839-93
EPA EST. NO. 1839-IL-01

STEPAN COMPANY
22 West Frontage Road • Northfield, IL 60093

TOTAL NET CONTENTS 2 lb.13 oz.
90 Water Soluble Packets, Each Containing 1/2 oz. of product
or
360 Water Soluble Packets, Each Containing 1/8 oz. of product

(Center Panel)



5/3/00 Notification

11af12

DIRECTIONS FOR USE

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Add this amount of product:	1/8 ounce (3.55 gm)	1/2 ounce	One ounce	1 1/2 ounces
In warm water to make:	One Quart	One Gallon	Two Gallons	Three Gallons

Stir gently to form a uniform solution. 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.

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

BACTERICIDAL ACTIVITY - At the stated Disinfection dilution rate, this product exhibits effective disinfectant activity against the organisms: Pseudomonas aeruginosa PRD-10, Escherichia coli, Klebsiella pneumoniae, Salmonella schottmuelleri, Salmonella choleraesuis, Brevibacterium ammoniagenes, Streptococcus faecalis, Shigella dysenteriae, Staphylococcus aureus, Enterobacter aerogenes and meets all requirements for hospital use.

MILDEWSTAT - To control mold and mildew on pre-cleaned, hard, nonporous surfaces mix this product at the stated dilution rate for Disinfection. Apply solution with a mop, cloth, sponge or hand pump trigger sprayer 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 disinfectant dilution rate, this product is also fungicidal against the pathogenic fungi, Trichophyton mentagrophytes.

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

* **VIRUCIDAL ACTIVITY** - This product, when used on environmental, inanimate, hard surfaces at the Disinfectant dilution rate, exhibits effective virucidal activity against HIV-1, Influenza A₂, Parainfluenza Type 1 (Sendai), Canine Distemper, Feline Pneumonitis, Vaccinia virus, Herpes Simplex Type 1.

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SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

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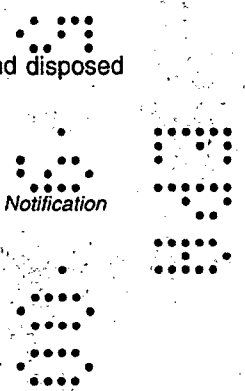
CONTACT TIME: Allow surface to remain wet for 10 minutes.

DISPOSAL OF INFECTIOUS MATERIALS: Blood and other body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal.

Stepan Company
Northfield, IL
EPA Reg. No. 1839-93

(Left Panel)

5/3/00 Notification



120912

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 egg whites or gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a 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 then 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.

PACKET DISPOSAL - Do not reuse packet. Discard packet 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.

Stepan Company
Northfield, IL
EPA Reg. No. 1839-93

(Right Panel)

5/3/00 Notification

