



FEB - 6 1989

Spartan Chemical Company, Inc.  
110 North Westwood Avenue  
Toledo, OH 43607

Attention: Thomas J. Mitchell

Gentlemen:

Subject: NABC  
EPA Registration No. 5741-18  
Your Amended Application Dated June 24, 1988

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling.
  - a. Refer to the enclosed Efficacy Evaluation and Technical Efficacy Review - II, and revise your labeling in accordance with the labeling comments outlined there.
  - b. Refer to the enclosed document "Label Requirements for Antimicrobial Pesticides Used on Hard Surfaces Against HIV-1 (AIDS Virus)" for EPA's current labeling policy for efficacy claims. Your labeling must be revised in accordance with the requirements outlined in this policy notice.
  - c. The signal word "Caution" must be placed directly below the child hazard warning statement (center panel only).
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

50394:1:DeLaney:L-5:KENCO:12/21/88:1/4/89:CL:EK:AS

CONCURRENCES

SYMBOL							
SURNAME							
DATE							


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-2-

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.

Sincerely yours,

John H. Lee   
Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (TS-767C)

Enclosures

DRAFT - SUBMITTED 6-24-88



**Spartan®**

# NABC®

**Non-Acid Disinfectant Bathroom Cleaner**  
**Kills the AIDS Virus HIV-1**

**ACTIVE INGREDIENTS**

n-Alkyl (C<sub>12</sub>-50%, C<sub>17</sub>-40%,  
C<sub>17</sub>-10%) dimethyl benzyl  
ammonium chloride 0.18%  
Octyl decyl dimethyl ammonium  
chloride 0.12%  
Dioctyl dimethyl ammonium  
chloride 0.09%

Didecyl dimethyl ammonium  
chloride 0.03%

**INERT INGREDIENTS** 99.80%  
(Includes compatible cleaning agents,  
solvent and deodorizer)

E.P.A. Reg. No. 5741-18  
E.P.A. Est. No. 5741-OH-7

**Ready-To-Use**  
**Disinfects • Cleans • Deodorizes**

Staphylocidal Pseudomonocidal Salmonellacidal Virucidal\*

\*Kills the AIDS Virus HIV-1

Kills Herpes Simplex type 2 and Influenza A<sub>2</sub> (Hong Kong) on hard inanimate  
nonporous environmental surfaces

**CAUTION: KEEP OUT OF REACH OF CHILDREN**

See rear panel for additional precautionary statements

**For Institutional and Industrial Use Only**

Spartan Chemical Co., Inc. 110 N. Westwood, Toledo, Ohio 43607

**Net Contents: 1 U.S. Gallon 3.79 Liters**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

4086  
EPA - 6 1989

DRAFT - SUBMITTED 6-24-88

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



**Spartan**  
**NABC**  
Non-Acid  
Disinfectant  
Bathroom  
Cleaner

©SCC 6/88

NABC is a ready-to-use, non-acid formulation designed to disinfect, clean and deodorize toilet bowls, urinals, and similar hard non-porous bathroom surfaces.

Formulated for use in daily maintenance programs, NABC is a proven one-step cleaner-disinfectant in the presence of moderate amounts of organic soil.

\*Virucidal, NABC Kills the AIDS Virus HIV-1\*\*, Kills Herpes Simplex type 2 and influenza A<sub>2</sub> (Hong Kong) on hard inanimate nonporous environmental surfaces.

NABC kills the AIDS Virus, HIV-1 in five minutes:

\*\*When tested against the AIDS Virus, HIV-1, NABC demonstrated a greater than 3 log reduction of the virus within five minutes.

NABC is recommended for use in hotels and motels, hospitals, office buildings, schools, public buildings, restaurants... any commercial, institutional or industrial building with lavatory facilities

**DIRECTIONS FOR USE:**

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

**One-Step Disinfecting and Cleaning Toilet Bowls and Urinals:**

1. With swab mop applicator, remove water from bowl by forcing over trap.
  2. Press swab mop against side of bowl to remove excessive water from applicator.
  3. Apply 1-2 oz. of NABC evenly onto surface to be cleaned and disinfected.
  4. Swab entire surface area especially under the rim where outlets are located.
  5. Allow NABC to remain wet on surface at least 10 minutes.
  6. Flush toilet and rinse applicator thoroughly.
- Preliminary cleaning is required for heavily-soiled surfaces.

**One-Step Disinfecting Ceramic Tile, Porcelain, Shower Walls, Floors and Other Hard Non-Porous Surfaces:**

1. To disinfect hard, non-porous surfaces, use full strength.
2. Apply NABC with a cloth, sponge, sprayer or mop. Treated surfaces must remain wet for 10 minutes.

3. Rinse thoroughly. Preliminary cleaning is required for heavily-soiled surfaces.

**General Deodorizing and Cleaning:** Dilute NABC 1:10 (12 oz./gal. of water) for general deodorizing and cleaning of hard, non-porous bathroom surfaces.

**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS & DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed. May cause skin and eye irritation. Avoid contamination of food. Do not get in eyes. Avoid contact with skin and clothing. Wash thoroughly with soap and water after handling.

Statement of Practical Treatment: If swallowed drink large quantities of water. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

**STORAGE AND DISPOSAL**

Do not reuse empty container. Wrap container and put in trash.

SPARTAN CHEMICAL COMPANY, INC. / 110 N. Westwood Avenue/Toledo, OH 43607

**ISSA** MEMBER  
The Experts  
on Cleaning and Maintenance

# NABC®

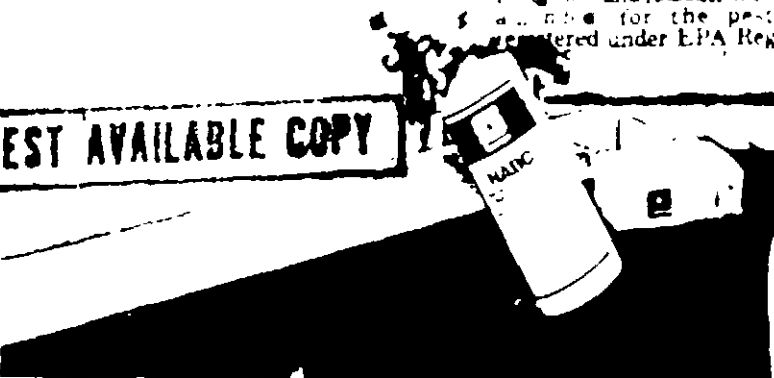
## Non-Acid Disinfectant Bathroom Cleaner

### Kills the AIDS Virus HIV-1



Under the Federal Insecticide, Fungicide, and Rodenticide Act, NABC is registered for the pesticide use category of disinfectant under EPA Reg. No. 496.001.

BEST AVAILABLE COPY



NABC is a ready-to-use, non-acid disinfectant that kills germs and bacteria. It is safe for use on most hard, nonporous surfaces. It is also safe for use on most fabrics and is suitable for use in homes, schools, and hospitals.

**Surface Safe**  
NABC is safe for use on most hard, nonporous surfaces. It is non-caustic and non-abrasive. It will not damage most surfaces, including stainless steel, chrome, brass, copper, aluminum, and plastic. It is also safe for use on most fabrics and is suitable for use in homes, schools, and hospitals.

**Use With Confidence**  
NABC is a twin-chain quaternary disinfectant. It is a proven, effective cleaner and disinfectant.

**Pleasant to Use**  
NABC has a pleasant, light floral fragrance. It is easy to use and is suitable for use in homes, schools, and hospitals.

**Packaged For Convenience and Economy**  
NABC is ready to use. It is packaged in a convenient, economical spray bottle.

**Ready to use**  
NABC is ready to use. It is packaged in a convenient, economical spray bottle.

**easy to use**  
NABC is easy to use. It is packaged in a convenient, economical spray bottle.

**quick**  
NABC is quick. It is packaged in a convenient, economical spray bottle.

- Staphylocidal
- Pseudomonocidal
- Salmonellacidal
- Virucidal\*

\*Kills the AIDS Virus HIV-1  
Kills Herpes Simplex type 2 and Influenza A<sub>2</sub> (Hong Kong) on hard, inanimate, nonporous environmental surfaces



NABC Non-Acid Disinfectant Bathroom Cleaner is a versatile germicidal cleaner with excellent disinfectant, cleaning and deodorizing properties

NABC was tested against Staphylococcus aureus, Salmonella choleraesuis and Pseudomonas aeruginosa in accordance with the Use-Dilution procedures as outlined in the manual of the AOAC, modified per E.P.A.'s DIS/TSS-2 for organic soil load. Results of this testing show NABC to be an excellent bactericide even in the presence of 5% blood serum

**Staphylococcus aureus ATCC #638**

NABC	No. Tubes Tested	No. Tubes Showing Growth
Sample A	60	0
Sample B	60	0
Sample C	60	0

**Salmonella choleraesuis ATCC #10708**

NABC	No. Tubes Tested	No. Tubes Showing Growth
Sample A	60	0
Sample B	60	0
Sample C	60	0

**Pseudomonas aeruginosa ATCC #15442**

NABC	No. Tubes Tested	No. Tubes Showing Growth
Sample A	60	0
Sample B	60	0
Sample C	60	0

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Toledo, Ohio 43607

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**Directions for Use:**

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1. With swab mop applicator remove water from bowl by forcing over trap
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5. Allow NABC to remain wet on surface at least 10 minutes
6. Flush toilet and rinse applicator thoroughly

Preliminary cleaning is required for heavily-soiled surfaces

**One-Step Disinfecting Ceramic Tile, Porcelain, Shower Walls, Floors and Other Hard Non-Porous Surfaces:**

1. To disinfect hard, non-porous surfaces, use full strength.
2. Apply NABC with a cloth, sponge, sprayer or mop. Treated surfaces must remain wet for 10 minutes
3. Rinse thoroughly

Preliminary cleaning is required for heavily-soiled surfaces

**General Deodorizing and Cleaning:**  
Dilute NABC 1:10 (12 oz gal of water) for general deodorizing and cleaning of hard, non-porous bathroom surfaces

**Specification Data:**  
**ACTIVE INGREDIENTS:**

- n-Alkyl (C<sub>14</sub> - 50%, C<sub>12</sub> - 40%, C<sub>16</sub> 10%)
- dimethyl benzyl ammonium chloride . . . . . 0.16%
- Octyl decyl dimethyl ammonium chloride . . . . . 0.12%
- Dioctyl dimethyl ammonium chloride . . . . . 0.06%
- Didecyl dimethyl ammonium chloride . . . . . 0.06%
- INERT INGREDIENTS** . . . . . 99.60%

(includes compatible cleaning agents, solvent and deodorizer)

Specific Gravity-0.995 @ 24° C/75° F  
pH (Concentrate)-6.0-7.0

Form-Liquid  
Viscosity-Water thin  
Color-Clear blue

Stability-  
a. Shelf @ 24° C/75° F - one year minimum  
b. Freeze/Thaw - 3 cycles

Phosphate Free  
Authorized for use by the USDA

**Packaging:**

NABC is packaged in 55, 30 and 15-gallon drums, and in attractively silk-screened 5-gallon pails, gallons, and quarts. Each quart is equipped with a flip top dispensing cap. One swab mop is included with each case of 12 quarts.

**Guarantee:**

Spartan's modern manufacturing and laboratory control insure uniform quality. If dissatisfied with performance of product, any unused portion may be returned for credit within one year of the date of manufacture. Use product as directed and read all precautionary statements

**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS & DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed. May cause skin and eye irritation. Avoid contamination of food. Do not get in eyes. Avoid contact with skin and clothing. Wash thoroughly with soap and water after handling.

**Statement of Practical Treatment:** If swallowed drink large quantities of water. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. If irritation persists seek medical attention.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.  
**Pesticide Disposal:** Waste resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Triple rinse (or equivalent) then offer for recycling, reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Distributed by

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

FOR INSTITUTIONAL AND INDUSTRIAL USE ONLY

**ISSA** MEMBER  
The Industry Sanitation Standards Association  
10101 W. 11th Ave., Denver, CO 80231

FEB - 6 1989

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

5791-18