

<p align="center"><b>U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460</b></p> <p><b>NOTICE OF PESTICIDE:</b>    <input type="checkbox"/> REGISTRATION                                   <input checked="" type="checkbox"/> REREGISTRATION</p> <p align="center"><i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i></p>	<p>EPA REGISTRATION NO. 303-209</p>	<p>DATE OF ISSUANCE <b>14 FEB 1985</b></p>
<p>TERM OF ISSUANCE</p>		<p>NAME OF PESTICIDE PRODUCT Ascend</p>
<p>NAME AND ADDRESS OF REGISTRANT (Include ZIP code)</p> <p align="center"> <span style="float: left;">┌</span> <span style="float: right;">┐</span>  Huntington Laboratories  968 East Tipton Street  Huntington, W 46750  <span style="float: left;">└</span> <span style="float: right;">┘</span> </p>		
<p><b>NOTE:</b> Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.</p>		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p>		
<p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p>		
<p>Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p>		
<p>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p>		
<p>1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.</p>		
<p>2. Make the labeling changes listed below before you release the product for shipment:</p>		
<p>a. Add the phrase "EPA Registration No. 303-209."</p>		
<p>b. Correct the spelling of the word - neutralization (p. 12 - Research Bulletin).</p>		
<p>c. Correct the spelling of the word - simplex (p. 13 - Research Bulletin).</p>		
<p><input checked="" type="checkbox"/> ATTACHMENT IS APPLICABLE</p>		
<p>SIGNATURE OF APPROVING OFFICIAL</p>	<p>DATE</p>	

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

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 label is enclosed for your records.

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

Enclosure

RD/DIS-JOB:90857:Lee:RD-61:Kendrick:898-1270:cac:1/18/85:Del.1/25/85

# Huntington

## ASCEND

### GERMICIDAL DETERGENT

GERMICIDE • DEODORIZER • FUNGICIDE • VIRUCIDE • DETERGENT

Ascend is a concentrated, multi-purpose germicide detergent effective in hard waters up to 400 ppm hard water (calculated as CaCO<sub>3</sub>) in the presence of 5% organic solum. Ascend is a powerful formula that decontaminates, cleans and deodorizes.

**Comitidal:** Passes A O A C Germicide Use-Disinfectant Method (S. aureus, S. chloroceaus, P. aeruginosa) in 400 ppm hard water, 1:250 (1/2 oz./1 gallon) in the presence of 5% organic soil (solum), 10 minutes at 20°C

**Fungitidal:** Passes A O A C Fungicide Test (T. mentagrophytes, C. albicans) when diluted with 400 ppm hard water, 1:250 in the presence of 5% organic soil (solum), 10 minutes at 20°C

**Virucidal:** Passes Virus and Quackian Test (influenza, Type A/Hong Kong, Herpes Simplex Type 1, Vaccinia, Rubella, Adenovirus Type 4) when diluted with 400 ppm hard water, 1:250 (1/2 oz./1 gallon) in the presence of 5% organic soil (solum), 10 minutes at 20°C

DILUTION: 1:250

#### DIRECTIONS FOR USE GENERAL CLASSIFICATION

(1/2 ounce per gallon)

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

#### FOR DISINFECTING

**USES:** Floors, walls, metal surfaces, painted surfaces, exterior wood surfaces, empty basins, showers, and lavatory fixtures. For residential, use only such as in hospitals and nursing homes, schools and colleges, medical and dental offices, and veterinary clinics

**APPLICATION:** Use 1/2 ounce of Ascend per gallon of water for a minimum contact time of 10 minutes in a single application. For disinfecting heavily soiled areas, remove gross soil and soil deposits, then thoroughly wet surfaces. Ascend is extremely versatile and can be applied with a mop, sponge or cloth as well as spraying. The recommended use solution is used once and discarded. Rinsing is not necessary on floor surfaces unless floors are to be waxed or polished.

#### Active Ingredients:

Dodecyl dimethyl ammonium chloride ..... 0.22%

Allyl(C<sub>11</sub> 50%, C<sub>12</sub> 40%, C<sub>13</sub> 10%) dimethyl benzyl ammonium chloride ..... 0.14%

Inert Ingredients: ..... 99.64%

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

**ONLY FOR SALE TO, USE, AND STORAGE BY SERVICE PERSONS**

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

FEB 14 1985

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

303-209

#### STATEMENT OF PRACTICAL TREATMENT

In case of skin contact, wash thoroughly with soap and water. For eyes, flush with water for 15 minutes and get prompt medical attention. If swallowed, drink plenty of water, induce vomiting if necessary, and if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

**NOTE TO PHYSICIAN:** Possible mucous damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

#### PRECAUTIONARY STATEMENTS:

##### HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes eye damage and skin irritation. May be absorbed through the skin. Do not get in eyes, on skin or clothing. Wear goggles or face shield and rubber gloves. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse. Harmful if swallowed. Avoid contamination of food, water, or feed.

#### PHYSICAL AND CHEMICAL HAZARDS

Ascend is a caustic germicide. Do not mix with soap or acidic materials.

#### STORAGE AND DISPOSAL

This pesticide must be kept under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

#### PESTICIDE DISPOSAL

*Pesticide waste 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

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

**Plastic Containers:** Triple rinse (or equivalent) then offer for recycling or reconditioning, or dispose of in a sanitary landfill or by other approved state and local procedure. If burned, stay out of smoke.

EPA Reg. No. 303 • EPA Reg. No. 303 (41, PA-1)  
(see shoulder or bottom for plant identification number)

Huntington Laboratories, Inc., Huntington, IN 46750 • Lansdale, PA 19446 • Dallas, TX 75227 • Hayward, CA 94546 • Brampton, Ont.

# ASCEND

## germicidal detergent

DILUTION 1:256 (1/2 OUNCE PER GALLON)

PSEUDOMONACIDAL  
SALMONELLACIDAL  
STAPHYLOCIDAL  
FUNGICIDAL  
\*VIRUCIDAL

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

FEB 14 1985

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

303-209

ASCEND high powered formula is efficacious against a wide spectrum of microorganisms — both gram-negative and gram-positive bacteria, fungi and viruses in the presence of 400 ppm hard water and 5% organic serum simultaneously. ASCEND is a powerful formula that disinfects, cleans and deodorizes.

E.P.A. Reg. No. 303-

### CONTENTS

	Page
ASCEND PRODUCT SPECIFICATIONS .....	2
ASCEND IS BACTERICIDAL .....	3
ASCEND IS FUNGICIDAL .....	3
ASCEND KILLS ANTI-BIOTIC RESISTANT ORGANISMS .....	4
ASCEND HAS A BROAD SPECTRUM BACTERICIDAL ACTIVITY AGAINST GRAM-NEGATIVE AND GRAM-POSITIVE ORGANISMS ..	5
ASCEND IS VIRUCIDAL* .....	5
PATHOGENIC MICROORGANISMS .....	6

AGAINST: Pseudomonas aeruginosa  
Enterobacter aerogenes  
Escherichia coli  
Proteus mirabilis  
Salmonella choleraesuis  
Salmonella typhimurium  
Shigella sonnei

Serratia marcescens  
Enterobacter cloacae  
Klebsiella pneumoniae  
Proteus vulgaris  
Salmonella typhi  
Shigella flexneri

GRAM-POSITIVE  
Staphylococcus aureus  
Streptococcus pyogenes

Streptococcus faecalis

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

FEB 14 1985

ANTIDIOTIC RESISTANT BACTERIA

Pseudomonas aeruginosa  
Klebsiella pneumoniae  
Escherichia coli

Staphylococcus aureus  
Staphylococcus epidermidis  
Streptococcus faecalis

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
303-209

VIRUCIDAL Adenovirus, Type 4  
AGAINST: Influenza, Type A/Hong Kong  
Vaccinia

Herpes Simplex, Type 1  
Rubella

FUNGICIDAL Trichophyton mentagrophytes  
AGAINST: Candida albicans

DISINFECTS: ASCEND has a blend of active ingredients for broad spectrum disinfection.

CLEANS: ASCEND's special combination of synthetic detergents and builders provides the cleaning properties.

DEODORIZES: ASCEND destroys most odor-causing bacteria, eliminating odors at their source.

LABOR SAVING: ASCEND's combination of ingredients means cleaning and disinfecting can be accomplished in one easy labor saving step.

STABILITY: Stable for a period of not less than 1 year from the date of manufacture.

FLASH POINT: None to boiling.

FRAGRANCE: Sassafrass.

COLOR: Clear green.

ACTIVE	didecyl dimethyl ammonium chloride .....	9.22%
INGREDIENTS:	n-alkyl (C <sub>14</sub> 50%, C <sub>12</sub> 40%, C <sub>16</sub> 10%) dimethyl benzyl ammonium chlorides .....	6.14%
INERT		
INGREDIENTS:	.....	84.64%
TOTAL:	.....	100.00%

### ASCEND IS BACTERICIDAL

#### PSEUDOMONACIDAL, SALMONELLACIDAL, STAPHYLOCIDAL IN THE PRESENCE OF 400 PPM HARD WATER AND 5% ORGANIC SERUM

When tested according to the Use-Dilution Confirmation Method as outlined in the current A.O.A.C. edition, ASCEND is bactericidal against the representative gram-negative organisms *Pseudomonas aeruginosa* and *Salmonella choleraesuis* and the representative gram-positive organism, *Staphylococcus aureus*.

PRODUCT: ASCEND diluted 1:256

TEST METHOD: A.O.A.C. Use-Dilution Confirmation Method, modified in the presence of 400 ppm Synthetic hard water and 5% horse serum.

RECOVERY

MEDIA: Lethen Broth.

ORGANISMS: *Pseudomonas aeruginosa* ATCC #15542

*Salmonella choleraesuis* ATCC #10708

*Staphylococcus aureus* ATCC #6538

RESULTS:

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

FEB 14 1985

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
323-209

Sample	<i>Pseudomonas aeruginosa</i>			<i>Salmonella choleraesuis</i>			<i>Staphylococcus aureus</i>					
	No. Carriers Tested	No. Carriers With Growth		No. Carriers Tested	No. Carriers With Growth		No. Carriers Tested	No. Carriers With Growth				
A	60	0		60	0		60	0				
B	60	0		60	0		60	0				
C (60 days old)	60	0		60	0		60	0				
Neutralization Controls	+			+			+					
		5 min.	10 min.	15 min.		5 min.	10 min.	15 min.				
Phenol Resistance	1:80	+	-	-	1:90	+	-	-	1:60	+	-	-
	1:90	+	+	+	1:100	+	+	+	1:70	+	+	+

CONCLUSION: ASCEND is bactericidal in 400 ppm hard water and 5% organic serum against the hospital pathogens *Pseudomonas aeruginosa*, *Salmonella choleraesuis* and *Staphylococcus aureus*, at 1:256 (1/2 ounce per gallon). Thus ASCEND meets the criteria for use as a hospital germicide.

### ASCEND IS FUNGICIDAL

ASCEND was treated for effectiveness against the pathogenic fungi, *Trichophyton mentagrophytes* and *Candida albicans* by the A.O.A.C. Fungicidal Test.

PRODUCT: ASCEND diluted 1:256

TEST METHOD: A.O.A.C. Fungicidal Test, modified in the presence of 400 ppm synthetic hard water and 5% horse serum.

ORGANISM: *Trichophyton interdigitale* Strain #640

*Candida albicans* Strain #10231

RESULTS:

Fungus	ATCC	Exposure Time		
		5 min.	10 min.	15 min.
<i>Trichophyton mentagrophytes</i>	9533	+	-	-
<i>Candida albicans</i>	10231	+	-	-
Phenol Resistance 1:55		+	-	-
1:65		-	+	+
Neutralization controls		+	+	+

(+ = growth, - = no growth)

CONCLUSION: ASCEND is an effective fungicide at 1:256 (1/2 ounce/gallon) in the presence of 400 ppm hard water and 5% organic serum.

## ASCEND KILLS ANTIBIOTIC RESISTANT BACTERIA

Antibiotic resistant bacteria strains pose problems in hospitals. ASCEND used properly, can reduce the hazard of cross contamination by killing the antibiotic resistant bacteria on the hard surfaces in the hospital.

**PRODUCT:** ASCEND diluted 1:256

**TEST METHOD:** A.O.A.C. Use-Dilution Confirmation Method, modified in the presence of 400 ppm Synthetic hard water and 5% horse serum.

**RECOVERY**

**MEDIA:** Lethen Broth

Resistant to the Antibiotic (x)

Organism	Strain	Amikacin	Amphicillin	Carbenicillin	Cefamandole	Cefazolin	Cefoxitin	Chloramphenicol	Clindamycin	Erythromycin	Gentamycin	Kanamycin	Methicillin	Penicillin	Tetracycline	Tobramycin
Staphylococcus aureus	ATCC 33592															
Staphylococcus aureus	Hosp. R/NC					x		x	x	x		x			x	x
Staphylococcus epidermidis	Hosp. R/NC							x	x	x		x	x	x	x	x
Streptococcus faecalis	Hosp. R/NC					x		x	x	x		x	x		x	x
Escherichia coli	Hosp. R/NC		x	x												
Klebsiella pneumoniae	Hosp. R/NC		x	x				x								
Pseudomonas aeruginosa	Hosp. R/NC	x	x	x	x	x	x					x			x	

**RESULTS:**

Gram-Positive Bacteria	Plate Counts (CFU/Carrier)	No. Carriers Tested	No. Carriers Showing Growth
Staphylococcus aureus 33592	4.7 x 10 <sup>5</sup>	20	0
Staphylococcus aureus	9.0 x 10 <sup>5</sup>	20	0
Staphylococcus epidermidis	1.02 x 10 <sup>6</sup>	20	0
Staphylococcus faecalis	2.7 x 10 <sup>6</sup>	20	0
<b>Gram-Negative Bacteria</b>			
Escherichia coli	4.2 x 10 <sup>5</sup>	20	0
Klebsiella pneumoniae	1.23 x 10 <sup>6</sup>	20	0
Pseudomonas aeruginosa	1.13 x 10 <sup>6</sup>	20	0
Neutralization controls			+

**CONCLUSION:** ASCEND kills antibiotic resistant bacteria at 1:256, (1/2 ounce per gallon) in the presence of 400 ppm hard water and 5% organic serum.

**ACCEPTED**  
with COMMENTS  
in EPA Letter Dated:

**FEB 14 1985**

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

903-209

## ASCEND HAS BROAD SPECTRUM BACTERICIDAL ACTIVITY AGAINST GRAM-NEGATIVE AND GRAM-POSITIVE ORGANISMS

ASCEND was tested against a wide range of pathogenic bacteria.

PRODUCT: ASCEND diluted 1:256

TEST METHOD: A.O.A.C. Use-Dilution Confirmation Test, modified in the presence of 400 ppm hard water and 5% horse serum.

**RECOVERY**

MEDIA: Lethen Broth

**RESULTS:**

Gram Negative Bacteria	ATCC Strain	Plate Counts (CFU/Carrier)	No. Carriers Tested	No. Carriers Showing Growth
<i>Pseudomonas aeruginosa</i>	15442	$3.8 \times 10^6$	180	0
<i>Salmonella choleraesuis</i>	10708	$9.2 \times 10^5$	180	0
<i>Enterobacter aerogenes</i>	13048	$5.4 \times 10^6$	20	0
<i>Enterobacter cloacae</i>	23355	$2.8 \times 10^6$	20	0
<i>Escherichia coli</i>	25922	$1.16 \times 10^6$	20	0
<i>Klebsiella pneumoniae</i>	13083	$5.1 \times 10^6$	20	0
<i>Proteus mirabilis</i>	25933	$2.5 \times 10^6$	20	0
<i>Proteus vulgaris</i>	13315	$6.1 \times 10^5$	20	0
<i>Salmonella typhi</i>	6539	$1.46 \times 10^6$	20	0
<i>Salmonella typhimurium</i>	14028	$6.9 \times 10^6$	20	0
<i>Serratia marcescens</i>	8100	$3.5 \times 10^5$	20	0
<i>S. illa (flexner)</i>	12022	$1.29 \times 10^6$	20	0
<i>S. illa sonnei</i>	25931	$5.3 \times 10^5$	20	0
<b>Gram Positive Bacteria</b>				
<i>Staphylococcus aureus</i>	6538	$1.32 \times 10^8$	180	0
<i>Streptococcus faecalis</i>	19433	$1.26 \times 10^6$	20	0
<i>Streptococcus pyogenes</i>	19515	$5.3 \times 10^4$	20	0
Neutralization Controls				+

**CONCLUSION:** ASCEND is effective at 1:256 dilution (1/2 ounce per gallon) against a broad range of gram-negative and gram-positive hospital pathogens in the presence of 400 ppm hard water and 5% organic serum.

### ASCEND IS \*VIRUCIDAL

To simulate in-use conditions, 5% horse serum was added to the specific virus, the mixture inoculated onto a hard surface allowed to dry, and then treated with the disinfectant diluted 1:256 in 400 ppm synthetic hard water for 10 minutes at 20° C. At least a 4 log reduction in virus titer is required for a virucidal claim.

Influenza is a lipid RNA virus, meaning it contains a protein coat making it more resistant to disinfectants, causes acute respiratory diseases. Adenovirus is a DNA virus, also causes acute respiratory diseases. Herpes simplex is also a DNA virus, which causes skin ulcerations in or around the oral cavity (cold sores in or around the mouth). Vaccinia is a DNA pox virus used for vaccination of man for immunity against smallpox. Rubella is a RNA-containing, ether-sensitive virus which causes German measles. As you can see, we have tested against (1) RNA and DNA viruses, (2) lipid and non-lipid viruses, and (3) viruses causing a variety of diseases that can be hospital acquired.

PRODUCT: ASCEND diluted 1:256

**RESULTS:**

Virus
Adenovirus, Type 4
Herpes Simplex, Type 1
Influenza Virus, Type A/Hong Kong
Rubella (German Measles) Virus, Strain M-33
Vaccinia Virus, IHD Strain
Neutralization controls = positive
Cytotoxicity = none

**ACCEPTED**  
with COMMENTS  
in EPA Letter Dated:

**FEB 14 1985**

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

303-209

Titer Reduction

5.5 log  
7.5 log  
8.0 log  
5.0 log  
7.0 log

**CONCLUSION:** ASCEND is virucidal against Adenovirus Type 4, Herpes simplex, Influenza Type A, Rubella and Vaccinia viruses in the presence of 400 ppm hard water and 5% organic serum.



### PATHOGENIC MICROORGANISMS

- Adenovirus Type 4** — 2 to 4% of acute respiratory diseases caused by Adenoviruses as the DNA virus is spread readily from one person to another.
- Candida albicans** — An oval, budding yeast-like fungus which causes infections of the mouth, skin, hands, lungs and other organs.
- Enterobacter aerogenes** — found in feces of man.
- Enterobacter cloacae** — found in feces, urine and pus of man.
- Escherichia coli** — responsible for infantile diarrhea outbreaks.
- Herpes simplex Type 1** — A DNA virus causing fever blisters and cold sores. The blisters may rupture and ulcerate.
- Influenza Type A/Hong Kong** — an RNA virus that causes the gripe or the flu.
- Klebsiella pneumoniae** — this particular organism is responsible for approximately 2% of all bacterial pneumonia. If left untreated, it will produce an extensive hemorrhagic effect with a mortality rate of 40-90%. Occasionally produces urinary tract infections in children and bacteremia in debilitated patients.
- Proteus mirabilis and Proteus vulgaris** — the "swarming" organisms frequently are responsible for urinary tract infections. Occasionally produces bacteremia with focal lesions in debilitated patients or through intravenous pneumonia and eye infections.
- Pseudomonas aeruginosa** — an opportunistic hospital pathogen when introduced into areas of people lacking normal defenses; for example, burn patients. Produces wound infections with blue-green pus, meningitis, pneumonia and eye infections.
- Rubella** — An RNA-containing, ether sensitive virus which causes German measles.
- Salmonella choleraesuis** — occasionally causes acute gastroenteritis and septacemia and has been known to cause meningitis, osteomyelitis, pneumonia and endocarditis. Also, it is a secondary causative agent of hog cholera.
- Serratia marcescens** — both pigmented and non-pigmented strains have been known to cause urinary tract infections. The non-pigmented strain can cause pneumonia and sepsis.
- Shigella sonnei and shigella flexneri** — S. sonnei can cause mild dysentery and S. flexneri can cause epidemic dysentery. Shigellae are transmitted by food, fingers, feces and flies.
- Staphylococcus aureus** — food contaminant producing an enterotoxin causing food poisoning when ingested. Incubation time is 1-8 hours. A typical Staphylococcal lesion is a furnucle, carbuncle or localized abscess; for example, acne and impetigo.
- Staphylococcus epidennidis** — the organism can cause stitch abscesses of the skin. Can cause ventriculitis, meningitis or bacteremia gaining entrance via plastic tubing.
- Streptococcus faecalis** — causes variable hemolysis and associated with food poisoning.
- Streptococcus pyogenes** — causes respiratory tract infections such as tonsillitis, scarlet fever, ear and sinus infections. Has been found in surgical incisions and in the uterus after delivery.
- Trichophyton mentagrophytes** — common cause of athlete's foot; athlete's foot is spread through the use of common showers and dressing rooms.
- Vaccinia** — A DNA pox virus used for vaccination of man for immunity against smallpox.

### DEFINITIONS OF TEST PROCEDURES

- A.O.A.C.** — Association of Official Analytical Chemists
- Neutralization Control** — A positive control indicating the recovery medium will neutralize carry-over of test solution and that it will support bacterial growth.
- Phenol Resistance** — A requirement that the bacteria have to meet in order to be used for A.O.A.C. tests

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

FEB 14 1985

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

303-209

# ASCEND

## germicidal detergent

### For Hospital Use

#### Disinfects — Cleans — Doodorizes

Ascend is Pseudomonacidal, Salmonellacidal, Staphylocidal, Fungicidal, and Virucidal against many lipophilic viruses such as Herpes Simplex, *Type 1* (causes fever blisters), Vaccinia (pox virus used for the vaccination of man. Adenovirus Type 4 (causes 2 to 4% acute respiratory diseases), Rubella (German measles), and Influenza *Type A/Hong Kong* (causes grippe or flu) along with many other gram-negative and gram-positive bacteria pathogenic to man in the presence of 5% blood serum and 400 ppm hard water simultaneously. Ascend is to be used only on hard, non-porous, inanimate environmental surfaces.

DILUTION: 1 to 256 ..... 1/2 ounce per gallon

Suggested Uses	Gallon Dilution	Applications
general cleaning & disinfecting	1/2 ounce	spray, mop sponge or soak
damp mopping floors	1/2 ounce	mop
conductive floors	1/2 ounce	mop or spray and pick-up
furniture	1/2 ounce	sponge or cloth
walls	1/2 ounce	sponge
nursing stations	1/2 ounce	according to need and use
laboratory equipment	1/2 ounce	according to need and use
stainless steel	1/2 ounce	sponge
rubber products	1/2 ounce	stiff brush or sponge
laboratory fixtures	1/2 ounce	brush or sponge
disposal equipment	1/2 ounce	stiff brush or sponge
safety equipment	1/2 ounce	stiff brush or sponge
bathrooms	1/2 ounce	mop floors, wipe walls and fixtures
mattress covers	1/2 ounce	wipe with sponge or cloth
toilet seats	1/2 ounce	wipe with sponge, rinse

*NOTE! The prescribed contact time is a minimum of 10 minutes in a single application. For disinfecting heavily soiled areas, remove gross filth and soil deposits, then thoroughly wet surfaces. The recommended use solution is used once and discarded.*

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

FEB 14 1985

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

EPA Reg. No. 303  
15

303-209



Huntington Laboratories, Inc. • Huntington, IN 46750 • Lansdale, PA 19446 • Dallas, TX 75227 • Hayward, CA 94540 • Brambleton, Ont

HL-1

# ASCEND

## Detergente Anti-bacterial

Para Uso En Hospitales  
Desinfecta — Limpia — Desodoriza

Ascend es Pseudomonacidal, Salmonelacidal, Estafilocidal, Fungicidal, y Virucidal en contra de muchos virus Lipofilicos, como Herpes Simplex, Type I (CAUSA VEJIGAS EN LA BOCA Y LABIOS), Vacinia (poxvirus usadas en la vacunacion del hombre), Adenovirus Clase 4 (CAUSA DE 2 or 48 ENFERMEDADES AGUDAS DEL SISTEMA RESPIRATORIO), Rubella (SARADION ALETIAN), y Influenza, Type A/Hong Kong (causa de gripe o flu). Ascend mata muchas otras bacterias gram-negativas y gram-positivas patogenicas al hombre en presencia de 5% de suero sanguineo y 400 ppm aqua dura simultaneamente. Ascend es para uso unicamente en superficies duras no-porosas, en ambientes inanimados.

DILUCION: 1 a 256 ..... 1/2 onza por galon

Usos Recomendados	Dilucion por Galon	Aplicaciones
limpieza y desinfeccion general	1/2 onza	rocear, limpiar con esponja o enjuagar
trapeando pisos con trapero humedo	1/2 onza	trapear
pisos conductivos	1/2 onza	trapear o rocear y recoger
muebles	1/2 onza	esponja o trapo
paredes	1/2 onza	esponja
estaciones de enfermeras	1/2 onza	de acuerdo con necesidad y uso
equipo de laboratorio	1/2 onza	de acuerdo con necesidad y uso
hierro cromado	1/2 onza	esponja
productos plasticos	1/2 onza	cepillo fuerte o esponja
accesorios de laboratorio	1/2 onza	cepillo o esponja
equipo de disposicion	1/2 onza	cepillo duro o esponja
equipo de seguridad	1/2 onza	cepillo duro o esponja
baños	1/2 onza	trapeado de pisos, limpieza de paredes y acceso
cubiertas de colchones	1/2 onza	limpiar con esponja o trapo
silk tel retrete	1/2 onza	limpiar con esponja o trapo
superficies bien sucias	1/2 onza	trapear, limpiar con esponja

(NOTE: Spanish text is being put together by our translator and will be inserted before the final version is printed.)

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

FEB 14 1985

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

303-209

# ASCEND™

germicial detergent

EPA REG. NO. 303-\_\_\_\_\_

## Procedures for General Hospital Use

The standard use-dilution for germicial cleaning with *Ascend* germicial detergent is a 1:256 solution. Equivalent measures are 1/2 ounce per gallon, 6 ounces per standard 12-gallon mopping tank or 3 ounces per 6-gallon bucket of water. Rinsing is not necessary unless floors are to be waxed or polished. *The prescribed contact time is a minimum of 10 minutes in a single application.*

*For disinfecting heavily soiled areas, remove gross filth and soil deposits, then thoroughly wet surfaces. The recommended use solution is used once and discarded.*

1. *Ascend* will be used in the general house-cleaning of the hospital.
2. Administrative offices and admitting offices, medical records library, laboratory department, pharmacy, x-ray department, visitor lounges and lobby areas should be damp mopped with *Ascend* solution daily.
3. Main lobby, main corridor, wing corridors and emergency rooms should be damp mopped with *Ascend* solution early in the morning.
4. All patient rooms should be damp mopped with *Ascend* solution daily.
5. All bathrooms, wash bowls and fixtures in patient rooms and baths should be wiped thoroughly with *Ascend* solution daily.

6. Public bathrooms and locker rooms should be cleaned thoroughly with *Ascend* solution daily. The floors and fixtures should be mopped or wiped down with *Ascend* solution twice daily.
7. The dietary department should be cleaned thoroughly. Floors should be damp mopped with *Ascend* solution daily. Food carts are to be wiped down with *Ascend* solution. Avoid contamination of food. Clean and disinfect garbage cans and adjacent areas with *Ascend*.
8. All other areas not mentioned should be damp mopped once daily.
9. Mops used for *Ascend* solution should be clean for each day's use and not used for any other purpose.
10. Isolation areas are to be flooded or mopped daily with *Ascend* solution and equipment and fixtures disinfected as directed by department heads responsible.

(*Ascend's* one-step action disinfects and cleans in 400 ppm hard water and 5% organic serum simultaneously.) *Ascend* is staphylocidal, pseudomonacidal, fungicidal and virucidal against *MANY* lipophilic viruses such as *HERPES SIMPLEX, TYPE 1, VACCINIA, ADENOVIRUS, TYPE 4, RUBELLA, AND INFLUENZA, TYPE A/HONG KONG (VI HARI), NON-POROUS* INANIMATE ENVIRONMENTAL SURFACES.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

FEB 14 1985

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

303-209



# ASCEND™

germicidal detergent

EPA REG. NO. 303-

## Operating Suite Procedures

The standard use-dilution for germicidal cleaning with *Ascend* germicidal detergent is a 1:256 solution. Equivalent measures are ½ ounce per gallon, 6 ounces per standard 12-gallon mopping tank or 3 ounces per 6-gallon bucket of water. Rinsing is not necessary unless floors are to be waxed or polished. *The prescribed contact time is a minimum of 10 minutes in a single application.*

*For disinfecting heavily soiled areas, remove gross filth and soil deposits, then thoroughly wet surfaces. THE RECOMMENDED USE SOLUTION IS USED ONCE AND DISCARDED.*

1. *Ascend* will be used in the housecleaning of the entire operating suite including equipment at all times.
2. Equipment, such as operating tables, instrument tables, basins, racks and lights will be wiped down daily with *Ascend* solution, more often when necessary. Swab or rinse exterior surfaces thoroughly.
3. Floors are to be thoroughly cleaned with *Ascend* solution after each operation.

4. Walls of operating rooms should be wiped down with *Ascend* solution weekly unless conditions warrant the use of *Ascend* solution more often.
5. The operating suite shall be thoroughly cleaned with *Ascend* solution once each week.
6. Conductive floors shall be machine scrubbed once a week using *Ascend* solution (using ½ ounce *Ascend* per gallon of water). If possible, pick up with vacuum, then rinse with standard *Ascend* solution.
7. Mops used for *Ascend* solution shall be clean for each day's use and not used for other purposes.

(*Ascend's* one-step action disinfects and cleans in 400 ppm hard water and 5% organic serum simultaneously.) *Ascend* is staphylocidal, pseudomonacidal, fungicidal and virucidal against **MANY** lipophilic viruses such as **HERPES SIMPLEX, TYPE 1, VACCINIA, ADENOVIRUS, TYPE 4, RUBELLA, AND INFLUENZA, TYPE A/HAAS/KONG ON HARD, NON-POROUS INANIMATE ENVIRONMENTAL SURFACES.**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

FEB 14 1985

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

303-209



# ASCEND.

germicidal detergent

EPA REG. NO. 303-

## Delivery Room Suite Procedures

The standard use-dilution for germicidal cleaning with *Ascend* germicidal detergent is a 1:256 solution. Equivalent measures are ½ ounce per gallon, 6 ounces per standard 12-gallon mopping tank or 3 ounces per 6-gallon bucket of water. Rinsing is not necessary unless floors are to be waxed or polished. *The prescribed contact time is a minimum of 10 minutes in a single application.*

*For disinfecting heavily soiled areas, remove gross filth and soil deposits, then thoroughly wet surfaces. The recommended use solution is used once and discarded.*

1. *Ascend* solution will be used in the house-cleaning of the entire delivery room suite.
2. Floors in the delivery room should be cleaned thoroughly with *Ascend* solution after each delivery.
3. All equipment, such as delivery tables, instrument tables, basins, racks and lights should be wiped down daily with *Ascend* solution.
4. Walls of delivery room are to be wiped down every other day with *Ascend* solution.

5. Labor rooms, locker rooms and delivery suite corridors should be damp mopped with *Ascend* solution daily, more often when necessary.
6. Beds, chairs and other equipment in the delivery suite are to be wiped down with *Ascend* solution twice a week.
7. All walls and floors in the delivery rooms should be cleaned once each week with *Ascend* solution, more often when necessary.
8. Walls of the delivery suite other than the delivery room should be wiped with *Ascend* solution once each week.
9. Conductive floors shall be machine scrubbed once a week with *Ascend* (using ½ ounce per gallon of water - heavy soil may require more *Ascend*), and then rinse with standard *Ascend* solution.
10. Mops used for *Ascend* solution should be clean for each day's use and not used for other purposes.

(*Ascend's* one-step action disinfects and cleans in 400 ppm hard water and 5% organic serum simultaneously.) *Ascend* is staphylocidal, pseudomonocidal, fungicidal and virucidal against *MANY* lipophilic viruses such as *HERPES Simplex, Type 1, VACCINIA, ADENOVIRUS, Type 4, Rubella, and INFLUENZA, Type A/Hong Kong* on hard, non-porous inanimate environmental surfaces.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

FEB 14 1985

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

303-209

 **Huntington**™

# ASCEND™

germicide detergent

EPA REG. NO. 303-

## Procedures for Terminal Cleaning of Isolation Room

The standard use-dilution for germicide cleaning with Ascend germicide detergent is a 1:256 solution. Equivalent measures are 1/2 ounce per gallon, 6 ounces per standard 12-gallon mopping tank or 3 ounces per 6-gallon bucket of water. Rinsing is not necessary unless floors are to be waxed or polished. *The prescribed contact time is a minimum of 10 minutes in a single application.*

*For disinfecting heavily soiled areas, remove gross filth and soil deposits, then thoroughly wet surfaces. The recommended use solution is used once and discarded.*

1. When notified that an isolation room has been vacated, collect supplies and equipment necessary for cleaning the room.
2. Follow all required precautions for personal protection such as gowns, masks and proper hand washing.
3. Mix a solution of Ascend (1/2 oz. per gallon) and, with the solution, clean all horizontal surfaces of:
 

a. bed	4. bedside lamp
b. overbed table	e. chairs
c. bedside cabinets	

Ascend wall card for additional information.

5. Walls of delivery room are to be wiped down every other day with Ascend solution.

4. Clean thoroughly:
 

a. windows	c. mattress cover & pillow cover
b. venetian blinds	d. chairs
5. Wash with Ascend solution (1/2 oz. per gallon) anything else in the room which has horizontal surface. Change solution as required at any point in the cleaning.
6. Wash with Ascend solution (1/2 oz. per gallon) any area in the room which shows any visible amount of soil or possible prior contamination.
7. Mop floor with clean mop and Ascend solution (1/2 oz. per gallon).
8. Clean equipment used and return to proper storage area.

(Ascend's one-step action disinfects and cleans in 400 ppm hard water and 5% organic serum simultaneously.) Ascend is staphylocidal, pseudomonacidal, fungicidal and virucidal against *MANY lipophilic viruses such as Herpes Simplex, Type 1, Vaccinia, Adenovirus, Type 4, Rubella, and Influenza, Type A/Hong Kong on hard, non-porous inanimate environmental surfaces.*

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

FEB 14 1985

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

303-209

# Huntington™

# ASCEND™

germicidal detergent

EPA REG. NO. 303-

## Procedures for Use in Nursery

The standard use-dilution for germicidal cleaning with Ascend germicidal detergent is a 1:256 solution. Equivalent measures are 1/2 ounce per gallon, 6 ounces per standard 12-gallon mopping tank or 3 ounces per 6-gallon bucket of water. Rinsing is not necessary unless floors are to be waxed or polished. *The prescribed contact time is a minimum of 10 minutes in a single application.*

*For disinfecting heavily soiled areas, remove gross filth and soil deposits, then thoroughly wet surfaces. The recommended use solution is used once and discarded.*

1. Ascend will be used in the housecleaning of the nursery.
2. Floors shall be cleaned thoroughly with Ascend solution at least once daily.
3. Bassinets, scales and other equipment should be wiped down thoroughly once daily. Surfaces that come into contact with babies should be wiped dry with a clean cloth or rinsed.

4. Walls, windows and equipment are to be wiped down thoroughly with Ascend solution each week or more often when needed.
5. Mops used for Ascend solution should be clean for each day's use and not used for other purposes.

(Ascend's one-step action disinfects and cleans in 400 ppm hard water and 5% organic serum simultaneously.) Ascend is staphylocidal, pseudomonocidal, fungicidal and virucidal against *MANY* lipophilic viruses such as *HERPES Simplex Type 1, VACCINIA, ADENOVIRUS, Type 4, RUBELLA, AND INFLUENZA, Type A/Hong Kong* on hard, non-porous *IMMEDIATE ENVIRONMENTAL SURFACES.*

ACCEPTED  
with COMMENTS  
in EPA Letter Date:

FEB 14 1985

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

303-209





ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

SALES BROCHURE FOR ASCEND

FEB 14 1985

For Infection Control

Huntington Laboratories, a leader in germicide research, has formulated a powerful combination of two quaternary ammonium chlorides in a concentrated detergent system. The result- Ascend.

Under the Federal Insecticide, Fungicide and Rodenticide Act registered for the pesticide only under EPA Reg. No. 303-209

Ascend's powerful formula, disinfects, cleans and deodorizes to help you in your critical infection control responsibilities.

Reduces Nosocomial Infections

Ascend's excellent cleaner coupled with a powerful combination of two quaternary ammonium chlorides provides you with a potent germicide that destroys hospital pathogens *ON INANIMATE ENVIRONMENTAL SURFACES* which can cause nosocomial infections.

*Additional Testing*

Ascend meets the minimum requirements for a hospital germicide by proving effectiveness against Pseudomonas, Salmonella and Staphylococcus. The extra margin of confidence is Ascend's proven efficacy against 13 more gram-negative and gram-positive bacteria, 7 antibiotic resistant bacteria, 5 viruses representing four families and 2 fungi. This *Additional testing in the presence of 400ppm hard water (calculated as CaCO<sub>3</sub>) and 5% organic serum gives Ascend the broadest margin of confidence available today.*

Proven Effective Under Soil Loads

Historically, quat efficacy has been questioned under soil loads. Ascend solves this problem. Ascend is proven to be a highly effective germicidal detergent under requirements of 400 ppm hard water (calculated as CaCO<sub>3</sub>) and 5% organic serum using current A.O.A.C. test procedures.

*ASCEND'S EFFECTIVENESS FOR DISINFECTING AND CLEANING IN 400ppm HARD WATER AND 5% ORGANIC SERUM SIMULTANEOUSLY PROVIDES MORE ASSURANCE FOR CRITICAL CARE AREAS.*

Effective In Critical Areas

Ascend can be used in the operating suite, delivery room, isolation room, nursery, burn unit and trauma units. Virtually all areas of the hospital can be disinfected, cleaned and deodorized quickly with one product

Antibiotic Resistant Organisms

Recent concerns about the efficacy of germicides against antibiotic resistant organisms are addressed by Ascend. Tests *with 7 different strains show effectiveness against* Pseudomonas, E. coli, Klebsiella, Staphylococcus and Streptococcus which are resistant to: Methicillin, Penicillin, Tetracycline, etc. (see Research Bulletin for further details).

SALES BROCHURE FOR ASCEND (Continued)

FOR HOUSEKEEPING

EASY TO USE

- Ascend is conveniently packaged in easy-to-handle 1 gallon containers. Available proportioning systems provide economical and accurate dilution.
- A simple self-contained 1/2 ounce pump provides a controlled method for accurate measurement.
- The attractive, theft-proof Liqualator cabinet provides an accurate proportioning system for two 1 gallon containers.
- A Handi-Grip spray bottle labeled specifically for Ascend enables the staff to work with a ready-to-use identifiable product.

SAFETY

- Ascend containers have easy-to-read directions and have been color coded to provide ready identification.
- Ascend has a pleasant fragrance for added employee acceptance.
- Ascend does not have a flash point.

DEODORIZES

Ascend's simultaneous action kills odor causing germs while it cleans and disinfects. Its sassafras fragrance leaves a fresh clean scent that both patients and staff appreciate.

ASCEND IS ECONOMICAL

At 1/2 ounce per gallon (1:256) Ascend makes 256 gallons of solution that disinfects, cleans and deodorizes in all areas when you need it.

CLEANS EASILY WITH NO RINSING

Ascend's powerful formula easily disinfects and cleans floors, walls, lavatory and patient room fixtures and other inanimate environmental surfaces. The rinsing of floors is not necessary unless surface is to be waxed or polished.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

FEB 14 1985

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
303-209

EDUCATION PROGRAMS

The finest products are only as good as the people who use them.

To assist you in the difficult and time consuming task of training, Huntington provides a complete set of educational training programs.

- Huntington's Professional Sales Representatives are available for personalized in-service programs.
- Film strips teaching various housekeeping tasks are available in English and Spanish.
- Wall Cards are available in English and Spanish to assist in the proper use of Ascend.
- Procedures for cleaning and disinfecting the Operating Suite, Delivery Room Suite, Isolation Room, the Nursery and other areas are available.

TECHNICAL PRODUCT INFORMATION

Description

Ascend is a Quaternary ammonium germicidal detergent for use as a general disinfectant cleaner on hard, non-porous, inanimate objects.

Ascend is proven effective against the following hospital pathogens in 400 ppm hard water and 5% organic serum simultaneously as determined by the appropriate official A.O.A.C. or E.P.A. test.

Gram-Negative Bacteria

- Pseudomonas aeruginosa ATCC 15442
- Salmonella choleraesuis ATCC 10708
- Enterobacter cloacae ATCC 23355
- Enterobacter aerogenes ATCC 13048
- Escherichia coli ATCC 25922
- Klebsiella pneumoniae ATCC 13883
- Proteus mirabilis ATCC 29533
- Proteus vulgaris ATCC 13315
- Salmonella typhi ATCC 6539
- Salmonella typhimurium ATCC 14028
- Serratia marcescens ATCC 8100
- Shigella flexneri ATCC 12022
- Shigella sonnei ATCC 25931

Viruses

- Adenovirus Type 4
- Herpes Simplex, Type 1
- Influenza Type A/Hong Kong
- Vaccinia
- Rubella

Fungi

- Trichophyton mentagrophyte
- Candida albicans

Gram-Positive Bacteria

- Staphylococcus aureus ATCC 6538
- Streptococcus faecalis ATCC 19433
- Streptococcus pyogenes ATCC 19615

Antibiotic Resistant Organisms

- Staphylococcus aureus ATCC 33592
- Staphylococcus aureus
- Staphylococcus epidermidis
- Streptococcus faecalis
- Escherichia coli
- Klebsiella pneumoniae
- Pseudomonas aeruginosa

ACCEPTED with COMMENTS in EPA Letter Dated:

FEB 14 1985

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

303-209

SALES BROCHURE FOR ASCEND (Continued)

TECHNICAL PRODUCT INFORMATION Continued...

Properties

Active Ingredients

didecyl dimethyl ammonium chloride. . . . . 9.22%
n-alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chlorides . 6.14%

Color: Green

Fragrance: Sassafras

Dilution

1:256 - 1/2 ounce per gallon of water, shall dilute clear and be effective in hard or soft water.

Simultaneous Action

Diluted product effective in 400 ppm hard water (calculated as CaCO3) and 5% organic serum simultaneously by the appropriate A.O.A.C. and E.P.A. Test methods.

Stability

Concentrated product shall remain stable for a period of not less than one year from date of manufacture when stored under normal conditions.

Table with 3 columns: Property, Min., Max.
pH Undiluted - ASTM E70 . . . . . 7.2 8.2
pH Diluted 1:256 - ASTM E70 . . . . . 7.6 8.6
Non-Volatile Matter - (AOCS Da 2a-48). . . . . 21.0 23.0
Flash Point TOC - ASTM D1310. . . . . None to Boiling
Current A.O.A.C. Test . . . . . 1:256
Weight - Pounds per gallon. . . . . 8.35 pounds

Convenient Packaging

Container: 1 gallon - six per case
5 gallon container

EPA Reg. No. 303-

Product Number 1027

ACCEPTED with COMMENTS in EPA Letter Dated:

FEB 14 1985

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

303-209
Huntington Laboratories, Inc., 970 E. Tipton Street, Huntington, IN 48750 219/358-8100
Lansdale, PA 19446 215/368-1661 • Dallas, TX 75222 214/384-2016
Hayward, CA 94540 415/887-1777 • Bramalea, Ontario, Canada 416/877-2401

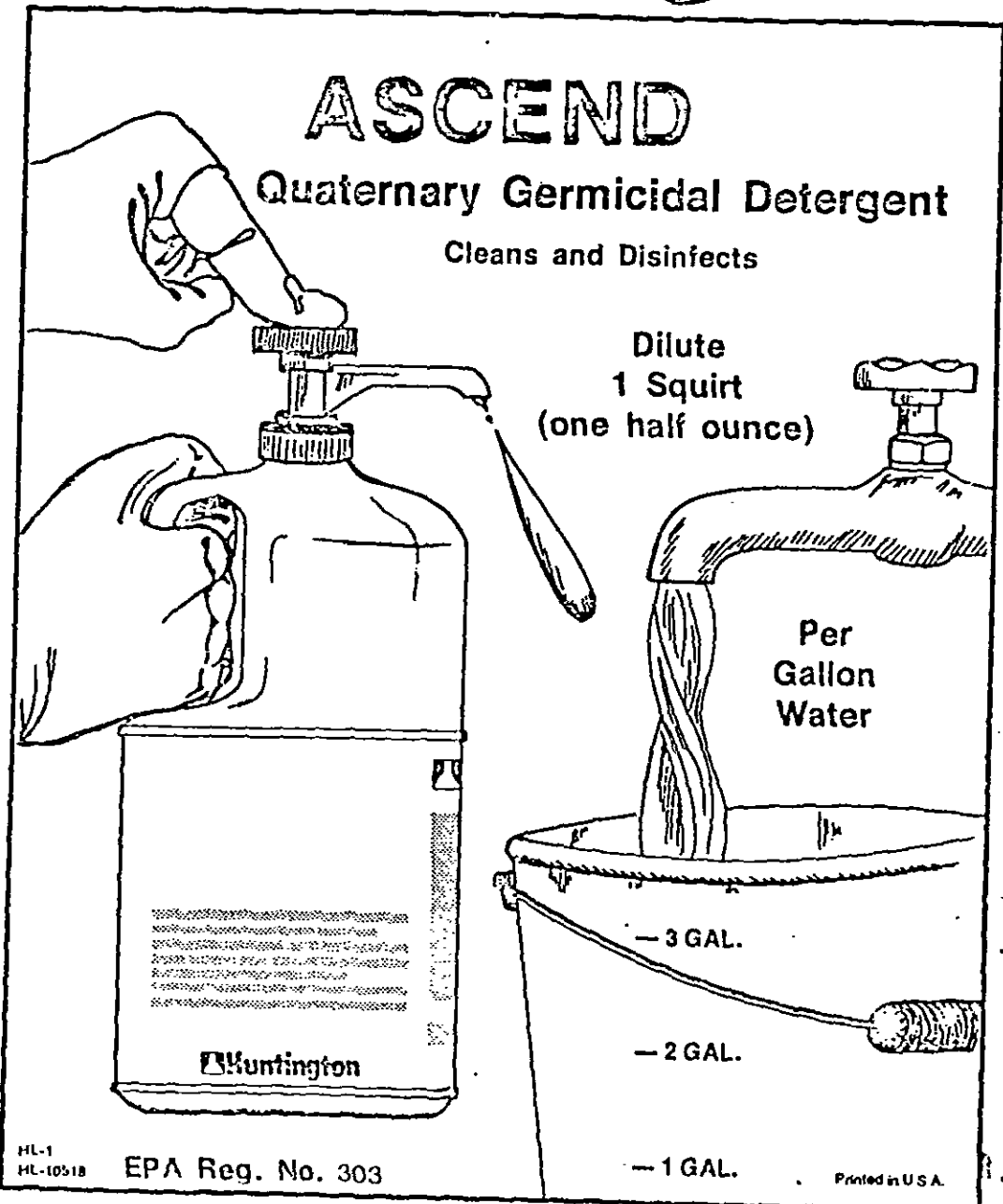


# Huntington

## ASCEND

Quaternary Germicidal Detergent

Cleans and Disinfects



HL-1  
HL-1051B

EPA Reg. No. 303

Printed in USA

Huntington Laboratories, Inc., Huntington, IN 46750 • Leesdale, PA 19446 • Dallas, TX 75227 • Hayward, CA 94541 • **ACCEPTED**

with COMMENTS  
in EPA Letter Dated:

FEB 14 1985

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

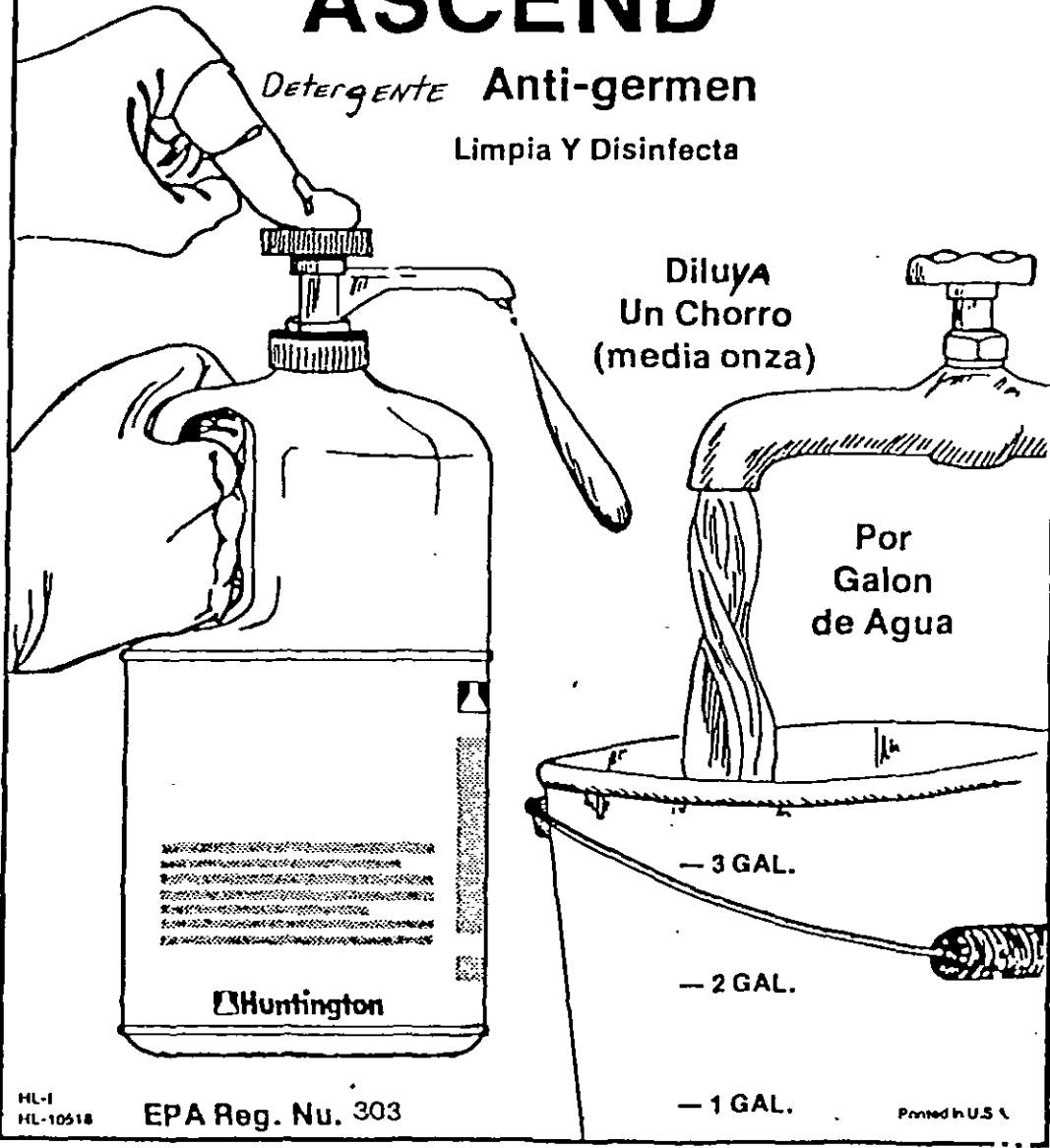
303-209

# Huntington™

## ASCEND

*Detergente* Anti-germen

Limpia Y Desinfecta



HL-1  
HL-10518

EPA Reg. Nu. 303

Printed in U.S.A.

Huntington Laboratories, Inc., Huntington, IN 46750 • Lansdale, PA 19446 • Ontario, CA 91767 • Hayward, CA 94540 • Brampton, Ont.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

FEB 14 1985

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

303-209