

US EPA ARCHIVE DOCUMENT



**US Environmental Protection Agency  
Office of Pesticide Programs**

**List F: EPA's Registered Antimicrobial Products  
Effective Against Hepatitis C Virus**

**January 9, 2009**

## Alphabetical Order

### List F: EPA's Registered Antimicrobial Products Effective Against Hepatitis C Virus (Updated January 9, 2009)

**Product:** ACCEL TB  
**EPA Reg#:** 74559-1  
**Registrant:** VIROX TECHNOLOGIES INC.  
**Approval Date:** 04/18/2006  
**Active Ingredients:** Hydrogen peroxide 0.5%

**Product:** AMERI-KLEEN WHIRLPOOL PEDICURE SPA ONE STEP  
 DISINFECTANT  
**EPA Reg#:** 75848-1  
**Registrant:** AMERI-KLEEN CORP.  
**Approval Date:** 01/10/2007  
**Active Ingredients:** Octyl decyl dimethyl ammonium chloride 3.255%  
 Dioctyl dimethyl ammonium chloride 1.302%; Didecyl dimethyl ammonium chloride 1.953%  
 Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C18, 10%C16) 4.340%

**Product:** ASEPTROL S10-TAB  
**EPA Reg#:** 70060-19  
**Registrant:** ENGELHARDT CORP  
**Approval Date:** 10/22/2007  
**Active Ingredients:** Sodium chlorite 20.8%; Sodium dichloroisocyanurate dihydrate 7.0%

**Product:** BARBICIDE  
**EPA Reg#:** 954-11  
**Registrant:** KING RESEARCH INC  
**Approval Date:** 07/01/2004  
**Active Ingredients:** Alkyl\*dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 5.12%

**Product:** BTC 885 Neutral Disinfectant Cleaner-32  
**EPA Reg#:** 1839-168  
**Registrant:** Stepan Co.  
**Approval Date:** 11/27/02  
**Active Ingredients:** Didecyl dimethyl ammonium chloride 0.407 %  
 Dioctyl dimethyl ammonium chloride 0.407%; Octyl decyl dimethyl ammonium chloride 0.814%  
 Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 1.085 %

**Product:** BTC 885 NEUTRAL DISINFECTANT CLEANER-64  
**EPA Reg#:** 1839-169  
**Registrant:** STEPAN COMPANY  
**Approval Date:** 03/11/1994  
**Active Ingredients:** Dioctyl dimethyl ammonium chloride 0.814%  
 Alkyl\*dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 2.17%  
 Didecyl dimethyl ammonium chloride 0.814%; Octyl decyl dimethyl ammonium chloride 1.627%

**Product:** BTC 885 Neutral Disinfectant Cleaner-128  
**EPA Reg#:** 1839-166  
**Registrant:** Stepan Co.  
**Approval Date:** 03/01/2007  
**Active Ingredients:** Didecyl dimethyl ammonium chloride 1.628%  
 Dioctyl dimethyl ammonium chloride 1.628%  
 Alkyl\*dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 4.339%  
 Octyl decyl dimethyl ammonium chloride 3.255%

**Product:** BTC 885 Neutral Disinfectant Cleaner-256  
**EPA Reg#:** 1839-167  
**Registrant:** Stepan Co.  
**Approval Date:** 11/27/02  
**Active Ingredients:** Octyl decyl dimethyl ammonium chloride 6.51%  
 Dioctyl dimethyl ammonium chloride 3.255%  
 Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 8.68%  
 Didecyl dimethyl ammonium chloride 3.255%

**Product:** BTC 2125 M 10% SOLUTION  
**EPA Reg#:** 1839-86  
**Registrant:** Stepan Co.  
**Approval Date:** 09/18/2007  
**Active Ingredients**  
 Alkyl\*dimethyl benzyl ammonium chloride\*(60%C14, 30%C16, 5%C18, 5%C12) 5.0%  
 Alkyl\* dimethyl ethylbenzyl ammonium chloride \*(68%C12, 32%C14) 5.0 %

**Product:** BTC 2125M 20% solution  
**EPA Reg#:** 1839-155  
**Registrant:** Stepan Company  
**Approval Date:** 03/25/91  
**Active Ingredients:**  
 Alkyl\* dimethyl benzyl ammonium chloride \*(60%C14, 30%C16, 5%C12, 5%C12) 10.0%  
 Alkyl\* dimethyl ethylbenzyl ammonium chloride \*(68%C12, 32%C14) 10.0%

**Product:** BURNISHINE GERMICIDAL SOLUTION  
**EPA Reg#:** 1130-15  
**Registrant:** BURNISHINE PRODUCTS  
**Approval Date:** 03/28/2006  
**Active Ingredients:**  
 Alkyl\*dimethyl ethylbenzyl ammonium chloride \*(68%C12, 32%C14) 0.154%  
 Alkyl\*dimethyl benzyl ammonium chloride \*(60%C14, 30%C16,5%C18, 5%C12) 0.154%

**Product:** CAVICIDE  
**EPA Reg#:** 46781-6  
**Registrant:** METREX RESEARCH CORP  
**Approval Date:** 11/20/2006  
**Active Ingredients:** Isopropyl alcohol 17.2%  
 Benzenemethanaminium, N,N-dimethyl-N-(2-(2-(4-(1,1,3,3-tetramethylbutyl)phenoxy)ethoxy)ethyl)-, chloride 0.28%

**Product:** CAVIWIPES  
**EPA Reg#:** 46781-8  
**Registrant:** METREX RESEARCH CORP  
**Approval Date:** 08/01/2007  
**Active Ingredients:** Isopropanol 14.3%  
 Diisobutyl-phenoxy-ethoxyethyl dimethyl benzyl ammonium chloride 0.23%

**Product:** CCX-151  
**EPA Reg#:** 61178-5  
**Registrant:** MICROGEN, INC  
**Approval Date:** 03/29/2005  
**Active Ingredients:** Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12, 32%C14) 13.238%  
 Alkyl\*dimethyl benzyl ammonium chloride \*(60%C14, 30%C16, 5%C12) 13.238%

**Product:** CITREX HOSPITAL SPRAY DISINFECTANT  
**EPA Reg#:** 56392-4  
**Registrant:** CALTECH INDUSTRIES INC  
**Approval Date:** 12/16/2005  
**Active Ingredients:** Ethyl alcohol 69.100%; Phenylphenol 0.13%

**Product:** CPPC STORM  
**EPA Reg#:** 67619-13  
**Registrant:** CLOROX PROFESSIONAL PRODUCTS CO  
**Approval Date:** 02/23/2006  
**Active Ingredients:** Sodium hypochlorite 2.4 %

**Product:** CPPC TSUNAMI  
**EPA Reg#:** 67619-12  
**Registrant:** CLOROX PROFESSIONAL PRODUCTS CO  
**Approval Date:** 09/03/2008  
**Active Ingredients:** Sodium hypochlorite 0.55%

**Product:** CPPC ULTRA BLEACH 2  
**EPA Reg#:** 67619-8  
**Registrant:** Clorox Professional Products Co.  
**Approval Date:** 12/22/2008  
**Active Ingredients:** Sodium hypochlorite 6.15%

**Product:** D-125  
**EPA Reg#:** 61178-1  
**Registrant:** MICROGEN, INC  
**Approval Date:** 04/24/2004  
**Active Ingredients:** Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12,32%C14)2.37%

**Product:** DETERGENT DISINFECTANT PUMP SPRAY  
**EPA Reg#:** 1839-83  
**Registrant:** Stepan Company  
**Approval Date:** 06/14/2007  
**Active Ingredients:** Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12,32%C14) 0.105%  
 Alkyl\* dimethyl benzyl ammonium chloride\*(60%C14, 30%C16, 5%C18, 5%C12) 0.105%

**Product:** DISCIDE ULTRA DISINFECTING SPRAY  
**EPA Reg#:** 10492-5  
**Registrant:** PALMERO HEALTH CARE  
**Approval Date:** 10/04/2005  
**Active Ingredients:** Isopropanol 63.25%  
 Alkyl\*dimethyl benzyl ammonium chloride\*(60%C14,30%C16, 5%C18,5%C12) 0.12%  
 Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12,32%C14) 0.12%

**Product:** DISCIDE ULTRA DISINFECTING TOWLETTES  
**EPA Reg#:** 10492-4  
**Registrant:** PALMERO HEALTH CARE  
**Approval Date:** 08/08/2007  
**Active Ingredients:** Isopropanol 63.25%  
 Alkyl\*dimethyl benzyl ammonium chloride\*(60%C14, 30%C16, 5%C18, 5%C12) 0.12%  
 Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12, 32%C14) 0.12%

**Product:** DISINFECTANT D.C. 100  
**EPA Reg#:** 70627-2  
**Registrant:** JOHNSON DIVERSEY, INC.  
**Approval Date:** 29-Sep-1997  
**Active Ingredients:**  
 Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12, 32%C14) 0.105%  
 Alkyl\* dimethyl benzyl ammonium chloride \*(60%C14, 30%C16, 5%C18, 5%C12) 0.105%

**Product:** DISPATCH HOSPITAL CLEANER DISINFECTANT WITH BLEACH  
**EPA Reg#:** 56392-7  
**Registrant:** CALTECH INDUSTRIES INC  
**Approval Date:** 11/21/2007  
**Active Ingredient:** Sodium hypochlorite 0.55%

**Product:** DISPATCH HOSPITAL CLEANER DISINFECTANT TOWEL WITH BLEACH  
**EPA Reg#:** 56392-8  
**Registrant:** CALTECH INDUSTRIES INC  
**Approval Date:** 09/05/2006  
**Active Ingredient:** Sodium hypochlorite 0.52%

**Product:** DMQ  
**EPA Reg#:** 5741-20  
**Registrant:** Spartan Chemical Company, Inc.  
**Approval Date:** 02/21/2006  
**Active Ingredients:**  
 Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 4.5%

**Product:** ECOTRU  
**EPA Reg#:** 70791-1  
**Registrant:** ENVIROSYSTEMS INC  
**Approval Date:** 02-Oct-1998  
**Active Ingredients:** Chloroxyleneol 0.2%

**Product:** ENVY FOAMING DISINFECTANT CLEANER  
**EPA Reg#:** 70627-35  
**Registrant:** JOHNSON DIVERSEY, INC.  
**Approval Date:** 10/19/2004  
**Active Ingredients:**

Alkyl\* dimethyl ethylbenzyl ammonium chloride \*(68%C12, 32%C14) 0.106%  
Alkyl\* dimethyl benzyl ammonium chloride \*(60%C14, 30%C16, 5%C18, 5%C12) 0.106%

**Product:** FOAMING DISINFECTANT CLEANER  
**EPA Reg#:** 3862-181  
**Registrant:** ABC Compounding Co., Inc.  
**Approval Date:** 2/07/2006  
**Active Ingredients:**

Alkyl\* dimethyl ethylbenzyl ammonium chloride \*(68%C12, 32%C14) 0.105%  
Alkyl\* dimethyl benzyl ammonium chloride \*(60%C14, 30%C16, 5%C18, 5%C12) 0.105%

**Product:** FORMULATION HWS-32  
**EPA Reg#:** 47371-192  
**Registrant:** H & S CHEMICALS DIVISION  
**Approval Date:** 04/26/2007  
**Active Ingredients:** 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride 1.27%  
Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 0.85%

**Product:** FORMULATION HWS-64  
**EPA Reg#:** 47371-131  
**Registrant:** H & S CHEMICALS DIVISION  
**Approval Date:** 04/26/2007  
**Active Ingredients:** Didecyl dimethyl ammonium chloride 02.54%  
Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 01.69%

**Product:** FORMULATION HWS-128 GERMICIDAL  
DETERGENT&DEODORANT  
**EPA Reg#:** 47371-130  
**Registrant:** H & S CHEMICALS DIVISION  
**Approval Date:** 04/16/2007  
**Active Ingredients:** Didecyl dimethyl ammonium chloride 5.07%  
Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 3.38%

**Product:** FORMULATION HWS-256  
**EPA Reg#:** 47371-129  
**Registrant:** H & S CHEMICALS DIVISION  
**Approval Date:** 02/28/2008  
**Active Ingredients:** Didecyl dimethyl ammonium chloride 9.7%  
Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 6.76%

**Product:** FORMULATION HWS-512  
**EPA Reg#:** 47371-191  
**Registrant:** H & S CHEMICALS DIVISION  
**Approval Date:** 10-Jul-2002  
**Active Ingredients:** 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride 20.28%  
Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 13.52%

**Product:** HOSPITAL DISINFECTANT CLEANER  
**EPA Reg#:** 7546-27  
**Registrant:** U S CHEMICAL CORPORATION  
**Approval Date:** 08/03/2007  
**Active Ingredients:** 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride 8.704  
Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 8.19%

**Product:** HOSPITAL DISINFECTANT CLEANER  
**EPA Reg#:** 5736-104  
**Registrant:** JOHNSON DIVERSEY, INC.  
**Approval Date:** 08/02/2007  
**Active Ingredients:** 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride 8.704  
Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 8.19%

**Product:** KENNELSOL HC  
**EPA Reg#:** 62472-2  
**Registrant:** Alpha Tech Pet Inc.  
**Approval Date:** 11/21/2006  
**Active Ingredients:** 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride 10.14%  
Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 6.76%

**Product:** KWIKKILL DISINFECTANT DEODORIZING CLEANING WIPES  
**EPA Reg#:** 59894-10  
**Registrant:** M&S Research  
**Approval Date:** 08/26/2008  
**Active Ingredient:** Isopropanol 41.58%  
Alkyl\* dimethyl benzyl ammonium chloride \*(60%C14, 30%C16, 5%C18, 5%C12) 0.12%  
Alkyl\* dimethyl ethylbenzyl ammonium chloride \*(68%C12, 32%C14) 0.12%



**Product:** LIQUID-PAK NEUTRAL DISINFECTANT CLEANER

**EPA Reg#:** 1839-176

**Registrant:** Stepan Co.

**Approval Date:** 01/10/2007

**Active Ingredients:** Dioctyl dimethyl ammonium chloride 7.62%

Alkyl\*dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 20.32%

Didecyl dimethyl ammonium chloride 7.62%

Octyl decyl dimethyl ammonium chloride 15.24%

**Product:** LONZA DISINFECTING WIPES

**EPA Reg#:** 6836-313

**Registrant:** Lonza Inc

**Approval Date:** 08/15/2007

**Active Ingredients:** 1-Decanaminium, N,N-dimethyl-N-octyl-chloride .069% ; 1-Decanaminium,

N-decyl-N,N-dimethyl-chloride .042% ; 1-Octanaminium, N,N-dimethyl-N-octyl-chloride .028%;

Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) .093%

**Product:** LONZA FORMULATION DC-103

**EPA Reg#:** 6836-152

**Registrant:** Lonza Inc

**Approval Date:** 03/28/2008

**Active Ingredients:** Dioctyl dimethyl ammonium chloride 0.01 %

Octyl decyl dimethyl ammonium chloride 0.025 % ; Didecyl dimethyl ammonium chloride 0.015%

Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 0.034%

**Product:** LONZA FORMULATION R-82

**EPA Reg#:** 6836-78

**Registrant:** Lonza Inc.

**Approval Date:** 06/19/2007

**Active Ingredients:** Dioctyl dimethyl ammonium chloride 2.604%

Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 8.68%

Didecyl dimethyl ammonium chloride 3.906%; Octyl decyl dimethyl ammonium chloride 6.51%

**Product:** LONZA FORMULATION R-82F

**EPA Reg#:** 6836-139

**Registrant:** Lonza Inc

**Approval Date:** 12/22/2006

**Active Ingredients:** Dioctyl dimethyl ammonium chloride 2.604%

Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 8.68%

Didecyl dimethyl ammonium chloride 3.906%; Octyl decyl dimethyl ammonium chloride 6.51%

**Product:** LONZA FORMULATION S-18  
**EPA Reg#:** 6836-77  
**Registrant:** Lonza Inc  
**Approval Date:** 11/07/2006  
**Active Ingredients:** Dioctyl dimethyl ammonium chloride 1.302%  
Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 4.34%  
Didecyl dimethyl ammonium chloride 1.953%; Octyl decyl dimethyl ammonium chloride 3.255 %

**Product:** LONZA FORMULATION S-18F  
**EPA Reg#:** 6836-136  
**Registrant:** Lonza Inc  
**Approval Date:** 08/14/2007  
**Active Ingredients:** Dioctyl dimethyl ammonium chloride 1.302%  
Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 4.34%  
Didecyl dimethyl ammonium chloride 1.953 %; Octyl decyl dimethyl ammonium chloride 3.255 %

**Product:** LONZA FORMULATION S-21  
**EPA Reg#:** 6836-75  
**Registrant:** Lonza Inc  
**Approval Date:** 11/07/2006  
**Active Ingredients:** Dioctyl dimethyl ammonium chloride 0.66%  
Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 2.2%  
Didecyl dimethyl ammonium chloride 0.99%; Octyl decyl dimethyl ammonium chloride 1.65%

**Product:** LONZA FORMULATION S-21F  
**EPA Reg#:** 6836-140  
**Registrant:** Lonza Inc  
**Approval Date:** 08/14/2007  
**Active Ingredients:** Dioctyl dimethyl ammonium chloride 0.66 %  
Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 2.20 %  
Didecyl dimethyl ammonium chloride 0.99 %; Octyl decyl dimethyl ammonium chloride 1.65 %

**Product:** MAQUAT 5.5-M  
**EPA Reg#:** 10324-80  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 04/01/2005  
**Active Ingredients:** Dioctyl dimethyl ammonium chloride 0.825%  
Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 2.2%  
Didecyl dimethyl ammonium chloride 0.825%; Octyl decyl dimethyl ammonium chloride 1.65%

**Product:** MAQUAT 7.5-M  
**EPA Reg#:** 10324-81  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 09/07/2006  
**Active Ingredients:** 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride 1.125%  
 Alkyl\*dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 3%  
 1-Octanaminium, N,N-dimethyl-N-octyl-, chloride 1.125%  
 1-Decanaminium, N,N-dimethyl-N-octyl-, chloride 2.25%

**Product:** MAQUAT 10  
**EPA Reg#:** 10324-63  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 12/28/2005  
**Active Ingredients:**  
 Alkyl\*dimethyl ethylbenzyl ammonium chloride \*(68%C12, 32%C14) 5%

**Product:** MAQUAT 10-B  
**EPA Reg#:** 10324-143  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 08/08/2008  
**Active Ingredients:**  
 Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12, 32%C14) 5.0%  
 Alkyl\*dimethyl benzyl ammonium chloride\*(60%C14, 30%C16, 5%C18, 5%C12) 5.0%

**Product:** MAQUAT 10PD  
**EPA Reg#:** 10324-99  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 02/17/2005  
**Active Ingredients:**  
 Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12, 32%C14) 5%  
 Alkyl\*dimethyl benzyl ammonium chloride\*(60%C14, 30%C16, 5%C18, 5%C12) 5%

**Product:** MAQUAT 12 MN  
**EPA Reg#:** 10324-163  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 10/04/2006  
**Active Ingredients:** 1-Octanaminium, N,N-dimethyl-N-octyl-, chloride 0.138%  
 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride 0.138%  
 Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 0.368%  
 1-Decanaminium, N,N-dimethyl-N-octyl-, chloride 0.276%

**Product:** MAQUAT 20-M  
**EPA Reg#:** 10324-94  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 12/26/2006

**Active Ingredients:**

Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12,32%C14) 10%  
Alkyl\* dimethyl benzyl ammonium chloride \*(60%C14, 30%C16, 5%C18, 5%C12) 10%

**Product:** MAQUAT 32  
**EPA Reg#:** 10324-166  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 09/20/2006

**Active Ingredients:**

Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12, 32%C14) 0.781%  
Alkyl\* dimethyl benzyl ammonium chloride \*(60%C14, 30%C16, 5%C18, 5%C12) 0.781%

**Product:** MAQUAT 32 MN  
**EPA Reg#:** 10324-114  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 03/01/2006

**Active Ingredients:** Dioctyl dimethyl ammonium chloride 0.407%  
Alkyl\*dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 1.085%  
Didecyl dimethyl ammonium chloride 0.407%; Octyl decyl dimethyl ammonium chloride 0.814%

**Product:** MAQUAT 32 MN-FCS  
**EPA Reg#:** 10324-179  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 10/01/2008

**Active Ingredients:** Dioctyl dimethyl ammonium chloride 0.407%  
Alkyl\* dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 1.085%  
Didecyl dimethyl ammonium chloride 0.407%; Octyl decyl dimethyl ammonium chloride 0.814%

**Product:** MAQUAT 32-NHQ  
**EPA Reg#:** 10324-157  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 01/16/2007

**Active Ingredients:** 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride 1.268%  
Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 0.845%

**Product:** MAQUAT 32PD  
**EPA Reg#:** 10324-167  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 09/20/2006

**Active Ingredients:**

Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12, 32%C14) 0.781%  
Alkyl\* dimethyl benzyl ammonium chloride \*(60%C14, 30%C16, 5%C18, 5%C12) 0.781%

**Product:** MAQUAT 50DS  
**EPA Reg#:** 10324-96  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 08/08/2008

**Active Ingredients:**

Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12,32%C14)25.0%  
Alkyl\*dimethyl benzyl ammonium chloride\*(60%C14,30%C16, 5%C12, 5%C18) 25.0%

**Product:** MAQUAT 64  
**EPA Reg#:** 10324-59  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 08/29/2008

**Active Ingredients:**

Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12, 32%C14) 2.25%  
Alkyl\* dimethyl benzyl ammonium chloride\*(60%C14, 30%C16, 5%C18, 5%C12) 2.250%

**Product:** MAQUAT 64-1010N  
**EPA Reg#:** 10324-147  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 02/21/2006

**Active Ingredients:** 1-Decanaminium, N-decyl-N,N-dimethyl-chloride 3.84%

**Product:** MAQUAT 64 EBC  
**EPA Reg#:** 10324-120  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 04/25/2006

**Active Ingredients:**

Alkyl\*dimethyl benzyl ammonium chloride\*(60%C14, 30%C16, 5%C18, 5%C12) 2.7125%  
Alkyl\* dimethyl ethylbenzyl ammonium chloride \*(68%C12, 32%C14) 2.7125 %

**Product:** MAQUAT 64 MN  
**EPA Reg#:** 10324-113  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 03/01/2006

**Active Ingredients:** Dioctyl dimethyl ammonium chloride 0.814%  
Alkyl\* dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 2.17%  
Didecyl dimethyl ammonium chloride 0.814%;  
Octyl decyl dimethyl ammonium chloride 1.627%

**Product:** MAQUAT 64 MN-FCS  
**EPA Reg#:** 10324-180  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 10/03/2008

**Active Ingredients:** Dioctyl dimethyl ammonium chloride 0.814%  
Alkyl\* dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 2.17%  
Didecyl dimethyl ammonium chloride 0.814%; Octyl decyl dimethyl ammonium chloride 1.627%

**Product:** MAQUAT 64-NHQ  
**EPA Reg#:** 10324-154  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 01/16/2007  
**Active Ingredients:** 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride 1.69%  
Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 2.535%

**Product:** MAQUAT 64 PD  
**EPA Reg#:** 10324-93  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 11/22/2005  
**Active Ingredients:**  
Alkyl\* dimethyl benzyl ammonium chloride\*(60%C14, 30%C16, 5%C18, 5%C12) 2.25%  
Alkyl\* dimethyl ethylbenzyl ammonium chloride \*(68%C12, 32%C14) 2.25%

**Product:** MAQUAT 64-PD-X  
**EPA Reg#:** 10324-170  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 06/06/2007  
**Active Ingredients:** Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12, 32%C14) 1.563%  
Alkyl\* dimethyl benzyl ammonium chloride\*(60%C14, 30%C16, 5%C18, 5%C12) 1.563%

**Product:** MAQUAT 64 X  
**EPA Reg#:** 10324-173  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 08/31/2007  
**Active Ingredients:**  
Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12, 32%C14) 1.563%  
Alkyl\* dimethyl benzyl ammonium chloride\*(60%C14, 30%C16, 5%C18, 5%C12) 1.563%

**Product:** MAQUAT 86-M  
**EPA Reg#:** 10324-85  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 02/08/2006  
**Active Ingredients:** Dioctyl dimethyl ammonium chloride 0.0135%  
Alkyl\* dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 0.034%  
Didecyl dimethyl ammonium chloride 0.013%; Octyl decyl dimethyl ammonium chloride 0.026%

**Product:** MAQUAT 128  
**EPA Reg#:** 10324-58  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 11/23/2005  
**Active Ingredients:**  
Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12, 32%C14) 4.5%  
Alkyl\*dimethyl benzyl ammonium chloride\*(60%C14, 30%C16, 5%C18, 5%C12) 4.5%

**Product:** MAQUAT 128-1010N  
**EPA Reg#:** 10324-146  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 12/21/2004  
**Active Ingredients:** 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride 7.68%

**Product:** MAQUAT 128 EBC  
**EPA Reg#:** 10324-119  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 07/01/2004  
**Active Ingredients:**

Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12, 32%C14) 5.425%  
 Alkyl\* dimethyl benzyl ammonium chloride \*(60%C14, 30%C16, 5%C18, 5%C12) 5.425%

**Product:** MAQUAT 128 MN  
**EPA Reg#:** 10324-112  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 03/01/2006

**Active Ingredients:** Octyl decyl dimethyl ammonium chloride 3.255%  
 Alkyl\*dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 4.339%  
 Didecyl dimethyl ammonium chloride 1.628%; Dioctyl dimethyl ammonium chloride 1.628%

**Product:** MAQUAT 128 MN-FCS  
**EPA Reg#:** 10324-181  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 10/07/2008

**Active Ingredients:** Dioctyl dimethyl ammonium chloride 1.628%  
 Alkyl\* dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 4.339%  
 Didecyl dimethyl ammonium chloride 1.628%; Octyl decyl dimethyl ammonium chloride 3.255%

**Product:** MAQUAT 128-NHQ  
**EPA Reg#:** 10324-155  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 01/16/2007

**Active Ingredients:** 1-Decanaminium, N-decyl-N,N-dimethyl-chloride 5.07%  
 Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 3.38%

**Product:** MAQUAT 128 PD  
**EPA Reg#:** 10324-105  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 11/22/2005

**Active Ingredients:** Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12, 32%C14) 4.5%  
 Alkyl\* dimethyl benzyl ammonium chloride\*(60%C14, 30%C16, 5%C18, 5%C12) 4.5%

**Product:** MAQUAT 128 PD-X  
**EPA Reg#:** 10324-171  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 04/07/2008

**Active Ingredients:**  
 n-Alkyl\* dimethyl benzyl ammonium chloride\*(60%C14,30%C16, 5%C12, 5%C18) 3.125%  
 n-Alkyl\* dimethyl ethylbenzyl ammonium chloride \*(68%C12, 32%C14) 3.125%

**Product:** MAQUAT 128-X  
**EPA Reg#:** 10324-172  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 08/31/2007  
**Active Ingredients:** Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12, 32%C14) 3.125%  
Alkyl\* dimethyl benzyl ammonium chloride\*(60%C14, 30%C16, 5%C18, 5%C12) 3.125%

**Product:** MAQUAT 256  
**EPA Reg#:** 10324-56  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 08/16/2005  
**Active Ingredients:** Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12, 32%C14) 6.25%  
Alkyl\* dimethyl benzyl ammonium chloride\*(60%C14, 30%C16, 5%C18, 5%C12) 6.25%

**Product:** MAQUAT 256-1010N  
**EPA Reg#:** 10324-134  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 05/10/2004  
**Active Ingredients:** 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride 15.36%

**Product:** MAQUAT 256 EBC  
**EPA Reg#:** 10324-118  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 04/25/2006  
**Active Ingredients:** Alkyl\*dimethyl ethylbenzylammoniumchloride\*(68%C12, 32%C14) 10.85%  
Alkyl\* dimethyl benzyl ammonium chloride\*(60%C14, 30%C16, 5%C18, 5%C12) 10.85%

**Product:** MAQUAT 256 MN  
**EPA Reg#:** 10324-108  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 03/01/2006  
**Active Ingredients:** 1-Octanaminium, N,N-dimethyl-N-octyl-, chloride 3.255%  
1-Decanaminium, N-decyl-N,N-dimethyl-chloride 3.255%  
Alkyl\*dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 8.68%  
1-Decanaminium, N,N-dimethyl-N-octyl-chloride 6.51%

**Product:** MAQUAT 256 MN-FCS  
**EPA Reg#:** 10324-144  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 03/09/2007  
**Active Ingredients:** Dioctyl dimethyl ammonium chloride 3.255%  
Alkyl\* dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 8.68%  
Didecyl dimethyl ammonium chloride 3.255%;  
Octyl decyl dimethyl ammonium chloride 6.51%



**Product:** MAQUAT 256-NHQ  
**EPA Reg#:** 10324-141  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 01/16/2007  
**Active Ingredients:** 1-Decanaminium, N-decyl-N,N-dimethyl-chloride 10.14%  
 Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 6.76%

**Product:** MAQUAT 256-PD  
**EPA Reg#:** 10324-164  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 03/30/2006  
**Active Ingredients:**  
 Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12, 32%C14) 6.25%  
 Alkyl\* dimethyl benzyl ammonium chloride \*(60%C14, 30%C16, 5%C18, 5%C12) 6.25%

**Product:** MAQUAT 512-NHQ  
**EPA Reg#:** 10324-156  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 01/16/2007  
**Active Ingredients:** 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride 20.28%  
 Alkyl\*dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 13.52%

**Product:** MAQUAT 615-HD  
**EPA Reg#:** 10324-72  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 02/08/2006  
**Active Ingredients:** Octyl decyl dimethyl ammonium chloride 6.51%  
 Alkyl\* dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 8.68%  
 Didecyl dimethyl ammonium chloride 3.255%; Dioctyl dimethyl ammonium chloride 3.255%

**Product:** MAQUAT 705 M  
**EPA Reg#:** 10324-177  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 02/15/2008  
**Active Ingredients:** Dioctyl dimethyl ammonium chloride 0.75%  
 Alkyl\* dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 2.0%  
 Didecyl dimethyl ammonium chloride 0.75%; Octyl decyl dimethyl ammonium chloride 1.5%

**Product:** MAQUAT 710-M  
**EPA Reg#:** 10324-117  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 11/14/2006  
**Active Ingredients:** 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride 1.5%  
 Alkyl\*dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 4%  
 1-Decanaminium, N,N-dimethyl-N-octyl-, chloride 3%  
 1-Octanaminium, N,N-dimethyl-N-octyl-, chloride 1.5%

**Product:** MAQUAT 750-M  
**EPA Reg#:** 10324-115  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 11/09/2006  
**Active Ingredients:** 1-Octanaminium, N,N-dimethyl-N-octyl-, chloride 7.5%  
 Alkyl\*dimethyl benzyl ammonium chloride\*(50% C14, 40% C12, 10% C16) 20%  
 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride 7.5%  
 1-Decanaminium, N,N-dimethyl-N-octyl-, chloride 7.5%

**Product:** MAQUAT FP  
**EPA Reg#:** 10324-145  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 07/21/2006

**Active Ingredients:**  
 Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68% C12, 32% C14) 2.7125%  
 Alkyl\*dimethyl benzyl ammonium chloride\*(60% C14, 30% C16, 5% C18, 5% C12) 2.7125%

**Product:** MAQUAT MQ-2525M-14  
**EPA Reg#:** 10324-142  
**Registrant:** MASON CHEMICAL CO  
**Approval Date:** 12/28/2005

**Active Ingredients:**  
 Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68% C12, 32% C14) 7.04%  
 Alkyl\*dimethyl benzyl ammonium chloride\*(60% C14, 30% C16, 5% C18, 5% C12) 7.04%

**Product:** MAXIMA 128  
**EPA Reg#:** 106-72  
**Registrant:** Brulin & Company Inc.  
**Approval Date:** 02/12/2008

**Active Ingredients:** Dioctyl dimethyl ammonium chloride 1.05%  
 Alkyl\* dimethyl benzyl ammonium chloride\*(50% C14, 40% C12, 10% C16) 2.8%  
 Didecyl dimethyl ammonium chloride 1.42%; Octyl decyl dimethyl ammonium chloride 2.1%

**Product:** MAXIMA 256  
**EPA Reg#:** 106-73  
**Registrant:** Brulin & Company Inc.  
**Approval Date:** 03/14/2008

**Active Ingredients:** Dioctyl dimethyl ammonium chloride 2.1015%  
 Alkyl\* dimethyl benzyl ammonium chloride\*(50% C14, 40% C12, 10% C16) 5.604%  
 Didecyl dimethyl ammonium chloride 2.8315%; Octyl decyl dimethyl ammonium chloride 4.203%

**Product:** MICROBAN QGC  
**EPA Reg#:** 70385-6 (transferred from EPA Reg# 70263-6; for label see EPA Reg# 70263-6))

**Registrant:** MICROBAN SYSTEMS INC

**Approval Date:** 08/18/2006

**Active Ingredients:** Octyl decyl dimethyl ammonium chloride 1.65%  
 Dioctyl dimethyl ammonium chloride 0.66%; Didecyl dimethyl ammonium chloride 0.99%  
 Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride 2.20%

**Product:** MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE  
 ANTIBACTERIAL CLEANER

**EPA Reg#:** 70385-8 (transferred from EPA Reg# 70263-8; for label see EPA Reg# 70263-8)

**Registrant:** MICROBAN SYSTEMS INC

**Approval Date:** 07/28/2006

**Active Ingredients:** 1-Octanaminium, N,N-dimethyl-N-octyl-, chloride 0.01%  
 Alkyl\* dimethyl benzyl ammonium chloride \*(50% C14, 40% C12, 10% C16) 0.034%  
 1-Decanaminium, N,N-dimethyl-N-octyl-, chloride 0.025%;  
 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride 0.015%

**Primary:** NABC

**EPA Reg#:** 5741-18

**Registrant:** Spartan Chemical Company, Inc.

**Approval Date:** 11/20/2002

**Active Ingredients** Dioctyl dimethyl ammonium chloride 0.06 %  
 Alkyl\* dimethyl benzyl ammonium chloride \*(50% C14, 40% C12, 10% C16) 0.16 %  
 Didecyl dimethyl ammonium chloride 0.06 %; Octyl decyl dimethyl ammonium chloride 0.12 %

**Product:** NADBC-101

**EPA Reg#:** 70627-3

**Registrant:** JOHNSON DIVERSEY, INC.

**Approval Date:** 12-Mar-1999

**Active Ingredients:**

Alkyl\*dimethylethylbenzyl ammonium chloride\*(68% C12, 32% C14) 0.106%  
 Alkyl\* dimethyl benzyl ammonium chloride \*(60% C14, 30% C16, 5% C18, 5% C12) 0.106%

**Product:** NP 3.2 DETERGENT/DISINFECTANT

**EPA Reg#:** 1839-78

**Registrant:** STEPAN COMPANY

**Approval Date:** 07-Mar-1980

**Active Ingredients:**

Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68% C12, 32% C14) 1.6 %  
 Alkyl\* dimethyl benzyl ammonium chloride \*(60% C14, 30% C16, 5% C18, 5% C12) 1.6 %

**Product:** NP 3.2 (D & F) DETERGENT/DISINFECTANT

**EPA Reg#:** 1839-94

**Registrant:** STEPAN COMPANY

**Approval Date:** 04/25/2006

**Active Ingredients:**

Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68% C12, 32% C14) 1.6%  
 Alkyl\* dimethyl benzyl ammonium chloride \*(60% C14, 30% C16, 5% C18, 5% C12) 1.6%

**Product:** NP 4.5 DETERGENT/DISINFECTANT

**EPA Reg#:** 1839-79

**Registrant:** Stepan Company.

**Approval Date:** 06/14/2007

**Active Ingredients:**

Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68% C12,32% C14)2.25%

Alkyl\* dimethyl benzyl ammonium chloride\*(60% C14, 30% C16, 5% C18, 5% C12) 2.25%

**Product:** NP 4.5 (D & F) DETERGENT/DISINFECTANT

**EPA Reg#:** 1839-95

**Registrant:** Stepan Co.

**Approval Date:** 06/14/2007

**Active Ingredients:**

n-Alkyl (68% C12,32% C14) dimethyl ethylbenzyl ammonium chlorides 2.125%

n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chlorides 2.125%

**Product:** NP 9.0 DETERGENT/DISINFECTANT

**EPA Reg#:** 1839-81

**Registrant:** STEPAN COMPANY

**Approval Date:** 06/22/2005

**Active Ingredients:**

Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68% C12,32% C14) 4.5%

Alkyl\* dimethyl benzyl ammonium chloride \*(60% C14, 30% C16, 5% C18, 5% C12) 4.5%

**Product:** NP 9.0 ( D&F) DETERGENT/DISINFECTANT

**EPA Reg#:** 1839-96

**Registrant:** Stepan Company

**Approval Date:** 01/11/2006

**Active Ingredients:**

Alkyl\* dimethyl ethylbenzyl ammonium chloride \*(68% C12, 32% C14) 4.5%

Alkyl\* dimethyl benzyl ammonium chloride \*(60% C14, 30% C16, 5% C18, 5% C12) 4.5%

**Product:** OPTI-CIDE 3

**EPA Reg#:** 70144-1

**Registrant:** Micro-Scientific Industries Inc.

**Approval Date:** 12/19/2006

**Active Ingredients:** Isopropanol 21%

n-Alkyl (60% C14,30% C16,5% C12, 5% C18) dimethyl benzyl ammonium chlorides 0.154%

n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chlorides 0.154%

**Product:** OPTI-CIDE 3 WIPES

**EPA Reg#:** 70144-2

**Registrant:** Micro-Scientific Industries Inc.

**Approval Date:** 08/08/2007

**Active Ingredients:**

n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chlorides 0.154%

n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chlorides 0.154%

**Product:** OXINE  
**EPA Reg#:** 9804-1  
**Registrant:** Bio-Cide International Inc.  
**Approval Date:** 11/21/2007  
**Active Ingredients:** Chlorine dioxide 2%

**Product:** OXIVIR TB  
**EPA Reg#:** 70627-56  
**Registrant:** JOHNSON DIVERSEY Inc.  
**Approval Date:** 05/02/2007  
**Active Ingredients:** Hydrogen peroxide 0.5%

**Product:** OXIVIR WIPES  
**EPA Reg#:** 70627-60  
**Registrant:** JOHNSON DIVERSEY Inc.  
**Approval Date:** 02/14/2008  
**Active Ingredients:** Hydrogen peroxide 0.5%

**Product:** OXY-TEAM DISINFECTANT CLEANER  
**EPA Reg#:** 70627-58  
**Registrant:** JOHNSON DIVERSEY Inc.  
**Approval Date:** 09/04/2008  
**Active Ingredients:** Hydrogen peroxide 4.25%

**Product:** PHENOLIC DISINFECTANT HG  
**EPA Reg#:** 70627-6  
**Registrant:** S.C. JOHNSON COMMERCIAL MARKETS INC.  
**Approval Date:** 10/06/98  
**Active Ingredients:** Benzyl-4-chlorophenol 10.5%; Phenylphenol 10.5%

**Product:** Q.A. CONCENTRATED SOLUTION  
**EPA Reg#:** 6198-4  
**Registrant:** NATIONAL CHEMICALS INC.  
**Approval Date:** 11/05/2007  
**Active Ingredients:**  
n-Alkyl\* dimethyl benzyl ammonium chloride\*(60%C14, 30%C18, 5%C12, 5%C18) 5.0%  
n-Alkyl\* dimethyl ethylbenzyl ammonium chloride\*(32%C14, 68%C12) 5.0%

**Product:** RAYSIDE  
**EPA Reg#:** 70369-2  
**Registrant:** Chemlink Laboratories LLC  
**Approval Date:** 5/23/2005  
**Active Ingredients:**  
Alkyl\*dimethyl ethylbenzyl ammonium chloride \*(68%C12, 32%C14) 3.625%  
Alkyl\* dimethyl benzyl ammonium chloride \*(60%C14, 30%C16, 5%C18, 5%C12) 3.625%

**Product:** SANI-CLOTH GERMICIDAL DISPOSABLE WIPES

**EPA Reg#:** 9480-4

**Registrant:** PDI

**Approval Date:** 11/01/2007

**Active Ingredients:**

Alkyl\*dimethyl benzyl ammonium chloride\*(60%C14,30%C16,5%C18,5%C12) 0.25%

Alkyl\*dimethyl ethylbenzyl ammonium chloride \*(68%C12,32%C14) 0.25%

**Product:** SANI-CLOTH PLUS GERMICIDAL DISPOSABLE CLOTH

**EPA Reg#:** 9480-6

**Registrant:** PDI

**Approval Date:** 01/06/99

**Active Ingredients:** Isopropanol 14.85%

Alkyl\* dimethyl benzyl ammonium chloride \*(60%C14, 30%C16, 5%C18, 5%C12) 0.125%

Alkyl\* dimethyl ethylbenzyl ammonium chloride \*(68%C12, 32%C14) 0.125%

**Name:** SHIELD

**EPA Reg#:** 67619-17

**Registrant:** CLOROX PROFESSIONAL PRODUCTS CO.

**Approval Date:** 09/03/2008

**Active Ingredient:** Sodium hypochlorite 1.84%

**Product:** SPRAY NINE

**EPA Reg#:** 6659-3

**Registrant:** Knight Marketing Corp.

**Approval Date:** 07/10/2008

**Active Ingredients:**

Alkyl\*dimethyl benzyl ammonium chloride \*(60%C14, 30%C16, 5%C18,5%C12) 0.15%

Alkyl\*dimethyl ethylbenzyl ammonium chloride\*(68%C12, 32%C14) 0.15%

**Product:** SUPER BOL

**EPA Reg#:** 5736-102

**Registrant:** JOHNSON DIVERSEY

**Approval Date:** 12-Jul-2005

**Active Ingredients:**

Alkyl\* dimethyl ethylbenzyl ammonium chloride \*(68%C12, 32%C14) 0.106%

Alkyl\*dimethyl benzyl ammonium chloride\*(60%C14, 30%C16, 5%C18, 5%C12) 0.106%

**Product:** VIRAHOL HOSPITAL DISINFECTANT/CLEANER &  
INSTRUMENT PRESOAK

**EPA Reg#:** 60142-1

**Registrant:** VERIDIEN CORP

**Approval Date:** 02/27/2004

**Active Ingredients:** Isopropyl alcohol 70%

**Product:** VIRAHOL HOSPITAL SURFACE DISINFECTANT TOWELETTE

**EPA Reg#:** 60142-3

**Registrant:** VERIDIEN CORP

**Approval Date:** 09/05/2006

**Active Ingredients:** Isopropanol 70.0%

**Product:** VIREX II 64

**EPA Reg#:** 70627-23

**Registrant:** S.C. Johnson Commercial Markets Inc

**Approval Date:** 03/01/2006

**Active Ingredients:** Didecyl dimethyl ammonium chloride 2.176%

**Product:** VIREX II/128

**EPA Reg#:** 70627-21

**Registrant:** JOHNSON DIVERSEY, INC

**Approval Date:** 12/27/1990

**Active Ingredients:** 1-Decanaminium, N-decyl-N,N-dimethyl-hloride 4.352%  
Alkyl\*dimethyl benzyl ammonium chloride\*(50%C14, 40%C12, 10%C16) 4.095%

**Product:** VIREX II/256

**EPA Reg#:** 70627-24

**Registrant:** JOHNSON DIVERSEY, INC.

**Approval Date:** 12/28/1990

**Active Ingredients:** 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride 8.704%  
Alkyl\* dimethyl benzyl ammonium chloride \*(50%C14, 40%C12, 10%C16) 8.19%

**Product:** VIRKON

**EPA Reg#:** 71654-7

**Registrant:** E.I. DUPONT DE NEMOURS AND COMPANY

**Approval Date:** 07/27/2006

**Active Ingredients:** Sodium chloride 1.5%; Potassium peroxymonosulfate 21.45%

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**Numerical Order**  
**List F: EPA's Registered Antimicrobial Products Effective Against**  
**Hepatitis C Virus** (Updated January 9, 2009)

<u>EPA Reg#</u>	<u>Primary Product Name</u>
106-72	MAXIMA 128
106-73	MAXIMA 256
954-11	BARBICIDE
1130-15	BURNISHINE GERMICIDAL SOLUTION
1839-78	NP 3.2 DETERGENT/DISINFECTANT
1839-79	NP 4.5 DETERGENT/DISINFECTANT
1839-81	NP 9.0 DETERGENT/DISINFECTANT
1839-83	DETERGENT DISINFECTANT PUMP SPRAY
1839-86	BTC 2125 M 10% SOLUTION
1839-94	NP 3.2 (D & F) DETERGENT/DISINFECTANT
1839-95	NP 4.5 (D & F) DETERGENT/DISINFECTANT
1839-96	NP 9.0 (D & F) DETERGENT/DISINFECTANT
1839-155	BTC 2125M 20% Solution
1839-166	BTC 885 Neutral Disinfectant Cleaner-128
1839-167	BTC 885 Neutral Disinfectant Cleaner-256
1839-168	BTC885 Neutral Disinfectant Cleaner-32
1839-169	BTC885 Neutral Disinfectant Cleaner-64
1839-176	LIQUID-PAK NEUTRAL DISINFECTANT CLEANER
3862-181	FOAMING DISINFECTANT CLEANER
5736-102	SUPER BOL
5736-104	HOSPITAL DISINFECTANT CLEANER
5741-18	NABC
5741-20	DMQ
6198-4	Q.A. CONCENTRATED SOLUTION
6659-3	SPRAY NINE
6836-75	LONZA FORMULATION S-21
6836-77	LONZA FORMULATION S-18
6836-78	LONZA FORMULATION R-82
6836-136	LONZA FORMULATION S-18F
6836-139	LONZA FORMULATION R-82F
6836-140	LONZA FORMULATION S-21F
6836-152	LONZA FORMULATION DC-103
6836-313	LONZA DISINFECTING WIPES
7546-27	HOSPITAL DISINFECTANT CLEANER



9480-4 SANI-CLOTH GERMICIDAL DISPOSABLE WIPES  
9480-6 SANI-CLOTH PLUS GERMICIDAL DISPOSABLE CLOTH

9804-1 OXINE

10324-56 MAQUAT 256  
10324-58 MAQUAT 128  
10324-59 MAQUAT 64  
10324-63 MAQUAT 10  
10324-72 MAQUAT 615-HD  
10324-80 MAQUAT 5.5-M  
10324-81 MAQUAT 7.5-M  
10324-85 MAQUAT 86-M  
10324-93 MAQUAT 64 PD  
10324-94 MAQUAT 20-M  
10324-96 MAQUAT 50DS  
10324-99 MAQUAT 10 PD  
10324-105 MAQUAT 128 PD  
10324-108 MAQUAT 256 MN  
10324-112 MAQUAT 128 MN  
10324-113 MAQUAT 64 MN  
10324-114 MAQUAT 32 MN  
10324-115 MAQUAT 750-M  
10324-117 MAQUAT 710-M  
10324-118 MAQUAT 256 EBC  
10324-119 MAQUAT 128 EBC  
10324-120 MAQUAT 64 EBC  
10324-134 MAQUAT 256-1010N  
10324-141 MAQUAT 256-NHQ  
10324-142 MAQUAT MQ2525M-14  
10324-143 MAQUAT 10-B  
10324-144 MAQUAT 256 MN-FCS  
10324-145 MAQUAT FP  
10324-146 MAQUAT 128-1010N  
10324-147 MAQUAT 64-1010N  
10324-154 MAQUAT 64-NHQ  
10324-155 MAQUAT 128-NHQ  
10324-156 MAQUAT 512-NHQ  
10324-157 MAQUAT 32-NHQ  
10324-163 MAQUAT 12-MN  
10324-164 MAQUAT 256-PD  
10324-166 MAQUAT 32  
10324-167 MAQUAT 32 PD  
10324-170 MAQUAT 64-PD-X  
10324-171 MAQUAT 128-PD-X  
10324-172 MAQUAT 128-X  
10324-173 MAQUAT 64X  
10324-177 MAQUAT 705-M  
10324-179 MAQUAT 32 MN-FCS  
10324-180 MAQUAT 64 MN-FCS

10324-181 MAQUAT 128 MN-FCS

10492-4 DISCIDE ULTRA DISINFECTING TOWLETTES  
10492-5 DISCIDE ULTRA DISINFECTING SPRAY

46781-6 CAVICIDE  
46781-8 CAVIWIPES

47371-129 FORMULATION HWS-256  
47371-130 FORMULATION HWS-128 GERMICIDAL DETERGENT& DEODORANT  
47371-131 FORMULATION HWS-64  
47371-191 FORMULATION HWS-512  
47371-192 FORMULATION HWS-32

56392-4 CITREX HOSPITAL SPRAY DISINFECTANT  
56392-7 DISPATCH HOSPITAL CLEANER DISINFECTANT WITH BLEACH  
56392-8 DISPATCH HOSPITAL CLEANER DISINFECTANT TOWEL WITH BLEACH

59894-10 KWIKKILL DISINFECTANT DEODORIZING CLEANING WIPES

60142-1 VIRAHOL HOSPITAL DISINFECTANT/CLEANER & INSTRUMENT PRESOAK  
60142-3 VIRAHOL HOSPITAL SURAFACE DISINFECTANT TOWLETTE

61178-1 D-125  
61178-5 CCX-151

62472-2 KENNELSOL HC

67619-8 CPPC ULTRA BLEACH 2  
67619-12 CPPC TSUNAMI  
67619-13 CPPC STORM  
67619-17 SHIELD

70060-19 ASEPTROL S10-TAB

70144-1 OPTI-CIDE 3  
70144-2 OPTI-CIDE 3 WIPES

70263-6 MICROBAN QGC (transferred to EPA Reg# 70385-6)  
70263-8 MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE  
ANTIBACTERIAL CLEANER )transferred to EPA Reg#70385-8)

70385-6 MICROBAN QGC (transferred from EPA Reg# 70263-6; for label see  
EPA Reg# 70263-6))

70385-8 MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE  
ANTIBACTERIAL CLEANER (transferred from EPA Reg# 70263-8;  
for label see EPA Reg# 70263-8)

70369-2 RAYCIDE

70627-2	DISINFECTANT D.C. 100
70627-3	NADBC-101
70627-6	PHENOLIC DISINFECTANT HG
70627-21	VIREX II/128
70627-23	VIREX II/64
70627-24	VIREX II/256
70627-35	ENVY FOAMING DISINFECTANT CLEANER
70627-56	OXIVIR TB
70627-58	OXY-TEAM DISINFECTANT CLEANER
70627-60	OXIVIR WIPES
70791-1	ECOTRU
71654-7	VIRKON
74559-1	ACCEL TB
75848-1	AMERI-KLEEN PEDICURE SPA ONE-STEP DISINFECTANT

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