



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

January 7, 2008

Alphabetical Order

List F: EPA's Registered Antimicrobial Products Effective Against Hepatitis C Virus (Updated January 7, 2008)

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

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 ULTRA BLEACH 2
EPA Reg#: 67619-8
Registrant: Clorox Professional Products Co.
Approval Date: 11/01/2006
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: 01/26/2007

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: Chloroxylenol 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: 11/16/2006

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: 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: 10/21/2005
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: 02/10/2006
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: 04/4/03
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: 04/4/03
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 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-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: 12/28/2005
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: 11/22/2005

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-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-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-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 ethylbenzyl ammonium chloride*(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 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 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: MICROBAN QGC
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 PROFESSIONALSTRENGTH MULTI-PURPOSE
ANTIBACTERIAL
EPA Reg#: 70263-8
Registrant: MICROBAN SYSTEMS INC
Approval Date: 07/28/2006
Active Ingredients: 1-Decanaminium, N,N-dimethyl-N-octyl-, chloride 0.025%
Alkyl*dimethyl benzyl ammonium chloride*(50%C14, 40%C12, 10%C16) 0.034%
1-Decanaminium, N-decyl-N,N-dimethyl-, chloride 0.015%
1-Octanaminium, N,N-dimethyl-N-octyl-, chloride 0.01%

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: 05/24/2007

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: OXY-TEAM DISINFECTANT CLEANER

EPA Reg#: 70627-58

Registrant:: JOHNSON DIVERSEY Inc.

Approval Date: 05/09/2007

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: PS DISINFECTING SURFACE CLEANER
EPA Reg#: 82075-3
Registrant: AMERICAN HOMEHEALTH, INC
Approval Date: 1/11/2007
Active Ingredients: Isopropyl Alcohol 17.20%
Benzenemethanaminium, N,N-dimethyl-N-(2-(2-(4-(1,1,3,3-tetramethylbutyl)phenoxy)ethoxy)ethyl)-, chloride 0.28%

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 WIPES
EPA Reg#: 9480-4
Registrant: PDI
Approval Date: 03/15/2006
Active Ingredients: Isopropanol 55.0%
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: 02/02/2007
Active Ingredient: Sodium hypochlorite 1.84%

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%

Numerical Order
List F: EPA's Registered Antimicrobial Products Effective Against
Hepatitis C Virus (Updated January 7, 2008)

<u>EPA Reg#</u>	<u>Primary Product Name</u>
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
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 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
10324-144	MAQUAT 256 MN-FCS
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
10324-172	MAQUAT 128-X
10324-173	MAQUAT 64X
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
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
67619-13	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
70263-8	MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL C
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
70791-1	ECOTRU
71654-7	VIRKON

74559-1 ACCEL TB

82075-3 PS DISINFECTING SURFACE CLEANER

