

DETERGENT AND CLEANERS E BOOKS



**DETERGENT
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FORMULATIONS
E – BOOKS**

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**ANTIBACTERIAL
HAND GEL SANITIZER
FORMULATIONS
E – BOOKS**

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**ANTIBACTERIAL
GEL HAND SANITIZER
(HIGH QUALITY)**

NO	INGREDIENTS	W/W
1	CARBOMER	0.75
2	TRIETHANOLAMINE (TEA)	0.75
3	TRICLOSAN	0.500
4	MONOPROPYLENE GLYCOL	2
5	ETHYL ALCOHOL	36
6	FRAGRANCE AND COLOR	q.s.
7	DMDM HYDANTOIN (Preservative agent)	0.100
8	WATER	59.900
	TOTAL	100

PROCESS: Charge water in mixing tank. Add carbomer and stirr. Dissolve carbomer in the water completely. Wait the mixture one day. Next day, Add all ingredients one by one in the mixing tank(excepted triethanolamine). Continue to stirr until homogeneous and clear. Add triethanolamine as desired gelation.
If homogeneous, clear and gelation is enough. Process is completed.

NOTE: In the above manufacturing products, the amounts of all ingredients can be changed depending on condition.

**ANTIBACTERIAL
GEL HAND SANITIZER
(QUALITY)**

NO	INGREDIENTS	W/W
1	CARBOMER	0.65
2	TRIETHANOLAMINE (TEA)	0.65
3	TRICLOSAN	0.200
4	MONOPROPYLENE GLYCOL	2
5	ETHYL ALCOHOL	25
6	SODIUM BENZOATE (Preservative agent)	0.100
7	FRAGRANCE AND COLOR	q.s.
8	WATER	71.400
	TOTAL	100

PROCESS: Charge water in mixing tank. Add carbomer and stirr. Dissolve carbomer in the water completely. Wait the mixture one day. Next day, Add all ingredients one by one in the mixing tank (excepted triethanolamine). Continue to stirr until homogeneous and clear. Add triethanolamine as desired gelation.
If homogeneous, clear and gelation is enough. Process is completed.

NOTE: In the above manufacturing products, the amounts of all ingredients can be changed depending on condition.

**ANTIBACTERIAL
GEL HAND SANITIZER
(ECONOMICAL)**

NO	INGREDIENTS	W/W
1	CARBOMER	0.600
2	TRIETHANOLAMINE (TEA)	0.600
3	TRICLOSAN	0.300
4	MONOPROPYLENE GLYCOL	1
5	ETHYL ALCOHOL	27.400
6	DMDM HYDANTOIN (Preservative agent)	0.100
7	FRAGRANCE, DYE, PRESERVATIVE	q.s.
8	WATER	70
	TOTAL	100

PROCESS: Charge water in mixing tank. Add carbomer and stirr. Dissolve carbomer in the water completely. Wait the mixture one day. Next day, Add all ingredients one by one in the mixing tank (excepted triethanolamine). Continue to stirr until homogeneous and clear. Add triethanolamine as desired gelation.
If homogeneous, clear and gelation is enough. Process is completed.

NOTE: In the above manufacturing products, the amounts of all ingredients can be changed depending on condition.

