

**% 4 CHLORHEXIDINE  
GLUCONATE  
BASED**

**HAND SANITIZER**

**FOAM SOAP**

**PRODUCTION**

**E – TEXTBOOKS**

## DISINFECTANT PRODUCTS FORMULATIONS ENCYCLOPEDIA



E – TEXTBOOK AUTHOR  
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**% 4 CHLORHEXIDINE GLUCONATE  
BASED  
FOAM SOAP  
HAND SANITIZER  
FORMULATIONS**

**E – TEXTBOOKS**

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**PROCESS:** Charge deionized water in the process tank. Start to mix. Add isopropyl alcohol and chlorhexidine gluconate. Continue to stir. Add dmdm hydantoin, betaine and glycerine while mixing. Continue to stir until mixture is homogenous. Homogenous is enough. Process is completed.

**ACTIVE INGREDIENTS:** Chlorhexidine gluconate % 4.

## % 4 CHLORHEXIDINE BASED FOAM SOAP HAND SANITIZER PRODUCTION PROCESS – 2

NO	INGREDIENTS	CAS NUMBER	W/W
1	CHLORHEXIDINE GLUCONATE ( % 20 )	18472-51-0	20
2	IZOPROPYL ALCOHOL ( IPA )	67 – 63 – 0	5
3	GLYCERINE	56 – 81 – 5	0.500
4	DMDM HYDANTOIN	6440–58 –0	0.100
5	COCAMIDOPROPYL BETAINE	61789-40-0	13
6	COCAMIDE DEA	68603-42-9	2
7	DEINOIZED WATER	7732 -18-5	59.40
	<b>TOTAL</b>		<b>100</b>

**PROCESS:** Charge deionized water in the process tank. Start to mix. Add isopropyl alcohol and chlorhexidine gluconate. Continue to stir. Add dmdm hydantoin, betaine, cocamide and glycerine while mixing. Continue to stir until mixture is homogenous. Homogenous is enough. Process is completed.

**NOTE:** The above formulated product, amounts of ingredients can be changed depending on used conditions and markets.

**ACTIVE INGREDIENTS:** Chlorhexidine gluconate % 4.

## % 4 CHLORHEXIDINE BASED FOAM SOAP HAND SANITIZER PRODUCTION PROCESS – 3

NO	INGREDIENTS	CAS NUMBER	W/W
1	CHLORHEXIDINE GLUCONATE ( % 20 )	18472-51-0	20
2	IZOPROPYL ALCOHOL ( IPA )	67 – 63 – 0	5
3	GLYCERINE	56 – 81 – 5	0.500
4	DMDM HYDANTOIN	6440–58 –0	0.100
5	SODIUM LAURYL ETHER SULFATE ( SLES )	68585-34-2	10
6	COCAMIDE DEA	68603-42-9	1
7	DEINOIZED WATER	7732 -18-5	63.400
	<b>TOTAL</b>		<b>100</b>

**PROCESS:** Charge deinoized water in the process tank. Start to mix. Add sles. Dissolve sles in the water completely. Add izopropyl alcohol and chlorhexidine gluconate. Continue to stirr. Add dmdm hydantoin, betaine, cocamide and glycerine while mixing. Continue to stirr until mixture is homogenous. Homogenous is enough. Process is completed.

**NOTE:** The above formulated product, amounts of ingredients can be changed depending on used conditions and markets.

**ACTIVE INGREDIENTS:** Chlorhexidine gluconate % 4.