

Table 1. Chemical analysis of liquid detergent and detergent-sterilizer products (08/07/10)

Product Name ¹	Usage rate per volume of water (ml)		Volume of water (litres)	% Caustic w/w	% Chlorine w/w	Working solution strength (parts per million)			
	Cold	Hot				Caustic		Chlorine	
						Cold	Hot	Cold	Hot
P3-MIPCIP ²	450	300	45	25.25	0.0	2525	1683		
Quantum x L ²	* ³	100	40	22.33	0.0	*	558	*	*
Alkadex Forte ²	*	200	40	20.55	0.2	*	1028	*	10
Hydrosan Liquid	450	300	45	18.67	3.11	1867	1245	311	207
Kilcosan	420	420	45	17.47	4.46	1631	1631	416	416
Parlorsan	360	360	45	17.14	3.68	1371	1371	294	294
Turbosan-S	400	360	45	16.71	3.48	1485	1337	309	278
Avalksan	400	350	45	16.54	3.49	1470	1286	310	271
Multisan-S	320	320	40	16.42	3.43	1314	1314	274	274
Kleensan	360	320	40	16.31	3.31	1468	1305	298	265
Ultrasan	400	400	45	16.06	5.18	1428	1428	460	460
Universan-S	360	320	40	15.94	3.49	1435	1275	314	279
Hypal SP ²	*	300	45	15.88	0.0	*	1059	*	*
Agrisan extra	*	240	40	15.81	3.64	*	949	*	218
Unisan Liquid	450	300	45	13.85	5.18	1385	923	518	345
Liquid Gold	375	312	45	14.35	3.80	1196	995	317	263
Aquasan	400	400	45	14.03	3.01	1247	1247	268	268
Cryosan liquid	450	300	45	13.79	5.99	1379	919	599	399
Mueller xtra strength	375	375	45	11.50	2.64	958	958	220	220
Vanorinse	*	125	40	11.23	4.69	*	351	*	147
Buyrite	420	350	45	10.38	1.81	969	807	169	141
Vanosan	*	200	40	9.99	3.23	*	500	*	161
C-Alka	*	225	45	9.89	3.12	*	495	*	156

TC86	200	200	40	9.30	3.71	465	465	185	185
Chlorodex	200	200	40	9.30	3.08	465	465	154	154
DeLaval super	*	320	40	8.95	2.84	*	716	*	227
Hyproclo ED	*	250	45	8.75	4.49	*	486	*	249
Galvisan Plus	350	250	45	8.70	4.61	677	483	359	256
Chlorodex	200	200	40	8.68	3.6	434	434	180	180
Sanagard	*	200	40	8.56	0.79	*	428	*	40
Specscan (extra strong)	*	250	40	7.14	4.15	*	446	*	259
Turbosan	400	360	45	6.52	3.65	580	522	324	292
Delaval ultra	400	200	40	6.36	2.55	636	318	255	128
Universan	360	320	40	6.17	4.19	555	494	377	335
Multisan	320	320	40	6.07	4.59	486	486	367	367
Circopower AFM	*	140	40	5.43	6.13	*	190	*	215
Gascosan	no mix rate	no mix rate	no mix rate	4.93	4.07	no mix rate	no mix rate	no mix rate	no mix rate
Dairycleanse	*	280	45	4.32	3.04	*	269	*	189
Liquid dairygold hot wash	*	250	40	3.90	7.57	*	293	*	473
Supersan	284	284	45	3.69	7.53	233	233	475	475
Rinsan	*	250	40	3.30	5.52	*	206	*	345
Galvisan	*	125	40	2.84	9.35	*	89	*	292
BFS hot wash	*	300	45	2.10	9.59	*	140	*	639
Alkasan	*	200	40	7.86	1.63	*	82	*	393
Specsan	*	250	40	1.62	5.33	*	101	*	333
Delex H	250	250	40	0.84	6.68	53	53	418	418
Supersan D	no mix rate	no mix rate	no mix rate	0.29	5.41	no mix rate	no mix rate	no mix rate	no mix rate

¹ In order of decreasing caustic content ² Liquid detergent products (no chlorine)

Products containing lower levels of caustic (<10%) may give satisfactory cleaning if used with hot water and not recycled.

Products containing high levels of caustic (>10%) may give satisfactory cleaning if used with hot or cold water.

Products with a high chlorine content (>4.5%) are more likely to result in chlorine residues.

Table 2: Chemical analysis of powder detergent and detergent sterilizer products (08/07/10)

*Product Name	Usage rate per volume of water (grams)	Volume of water (Litres)	Working solution strength (parts per million)	
			Caustic	Sodium carbonate
Alfasan Plus	250	45	4500	500
BFS cold wash	226	45	4700	800
C6 DeLaval	170	45	3600	400
Circodine P**	227	45	2900	1300
Coldwash Evans	226	45	4300	500
Cryosan Plus	227	45	4200	400
Crystal Powder cold cleaner	100	40	3600	1600
Dairygold cold circulation cleaner	250	45	5300	500
D 90**	100	40	2000	500
Galvisan cold wash	226	45	4800	100
Hydrosan Plus	227	45	3500	900
Kilco Clearway	226	45	3700	700
Koldosan	227	45	2000	200
Koldklene	227	45	2600	4100
Metron powder	150	40	2700	400
Muller cold detergent	225	45	4300	600
Polarsan Plus	250	45	4700	400
Turboclean	250	45	5000	1800
Unisan Plus	227	45	5000	500

* Products listed in alphabetical order ** these products contain chlorine

*Caustic powders may be used with cold or hot water for the main wash daily

* All products contain adequate levels of caustic and sodium carbonate (washing soda)

Table 3: Chemical analysis of sterilizer products (08/07/10)

Product Name	Usage rate per volume of water (mls)	Volume of water (Litres)	% Chlorine W/W	Working solution (parts per million)
Chlinichlor	100	40	8.60	215
CO-OP source chloros	100	40	8.12	203
Dairy Hypochlorite	100	45	9.92	220
DairyChlor	170	45	6.95	263
Deosan Red Label	100	40	10.07	252
Galvichlor	100	40	9.11	228
Micro-Chlor	125	50	9.33	233
Red Label	100	40	7.80	195
Spechlor	100	40	8.35	209
Superblend Hypochlorite	175	45	8.86	345
Ultrachlor	114	45	10.69	271

* Products listed in alphabetical order * Not a complete list of products

*All sterilizer products contain adequate levels of chlorine

* As recommended by manufacturers for use once weekly in conjunction with caustic detergent

* Ensure adequate rinsing (14 litres/unit)

immediately after use to avoid residues