

AUSTRALIAN BUREAU OF STATISTICS Canberra

CATALOGUE NO. 8362.0

NOON 6 DECEMBER 1979

PRODUCTION BULLETIN NO. 6 : CHEMICALS AND BY-PRODUCTS AUSTRALIA, SEPTEMBER 1979

INQUIRIES

If you want to know more about these statistics ring Mr Cyril Rees on Canberra 525558 or our State office, or write to Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. 2616
For copies of this publication contact Information Services, Canberra 526627 or State offices.

EXPLANATORY NOTES

Introduction

This publication is one of a series of eight containing monthly and quarterly production statistics. The titles of the other publications of this series are shown in paragraph 7 below.

2. Data contained in this publication are mostly based on monthly or quarterly collections conducted by the Australian Bureau of Statistics (ABS). Where another authority is the source this is indicated in a footnote.

Classification

3. Most items are identified by Commodity Codes of the Commodity Classification used in Australian manufacturing statistics. However in cases where data are derived from sources other than ABS collections no commodity code is shown. Furthermore, combinations of commodities are arranged so as to align production data with import and export commodity items in accordance with the Australian Standard Commodity Classification (ASCC). For further information regarding the ASCC see the ABS publication *Australian Standard Commodity Classification, 1975-76* (1207.0).

Scope and coverage

4. Production statistics collected by the ABS exclude production by single establishment manufacturing enterprises employing less than four persons and production of establishments predominantly engaged in non-manufacturing activities but which may carry on, in a minor way, some manufacturing. However, except for a few commodities the effect on production levels and movements is marginal.

5. Annual figures shown in this publication are derived by aggregating monthly/quarterly production and relate to production during the year ended 30 June. They may differ from annual manufacturing census data which relate to the census year and, in the case of businesses unable to report on a June year basis, include details in respect of substitute accounting periods.

Seasonal adjustment

6. This publication contains seasonally adjusted statistics of several items. In the seasonal adjustment, account has been taken not only of normal seasonal

factors but also of "trading-day" effects (arising from the varying numbers of Sundays, Mondays, Tuesdays etc. in the month) and the influence of Easter and Australia Day which may, in successive years, affect figures for different months. Details of the methods used in seasonally adjusting these and other series are given in *Seasonally Adjusted Indicators* (1308.0).

Related publications

7. Other ABS publications which may be of interest are:

Production Bulletin No 1 : Electricity, Gas and Electrical Appliances (8357.0)

Production Bulletin No 2 : Clothing and Footwear (8358.0)

Production Bulletin No 3 : Food, Drink and Tobacco (8359.0)

Production Bulletin No 4 : Textiles, Bedding and Floor Coverings (8360.0)

Production Bulletin No 5 : Building Materials and Fittings (8361.0)

Production Bulletin No 7 : Motor Vehicles, Parts and Accessories (8363.0)

Production Bulletin No 8 : Miscellaneous Products (8364.0)

Selected Principal Articles Produced (8365.0)

Principal Articles Produced (8303.0)

8. All current publications produced by the ABS are listed in *Catalogue of Publications* (1101.0) which is available free of charge from any ABS office.

Symbols and other usages

- n.p. not available for separate publication (but included in totals where applicable)
- .. not applicable
- nil or less than half the final digit shown

R. J. CAMERON
Australian Statistician

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CHEMICALS AND ACIDS

Period	Acids (in terms of 100% acid)						Super-phosphate (b)	
	Hydrochloric (401.29)	Nitric (401.37)	Sulphuric		Chlorine (405.82)	Sodium Hydroxide (100%) (caustic soda) (407.88)		Sulphate of ammonia (405.36)
			Original (401.57)	Sec.adj.(a)				
	tonnes	tonnes	-'000 tonnes -		tonnes	tonnes	tonnes	'000 tonnes
1976-77	51,526	166,056	1,721	..	107,069	129,460	201,589	3,137
1977-78	53,386	152,610	1,799	..	106,218	131,246	217,404	3,388
1978-79	56,701	163,566	1,922	..	112,001	135,132	211,867	3,646
1978 -								
August	5,654	15,561	112	142	10,435	12,079	16,095	176
September	5,037	11,606	144	149	8,641	10,528	18,802	246
October	5,131	15,134	154	156	9,592	11,690	21,926	272
November	4,269	14,535	149	146	6,069	7,807	26,548	286
December	4,305	16,254	171	154	10,651	12,902	16,357	271
1979 -								
January	4,462	8,147	165	156	8,325	10,141	12,827	309
February	3,986	9,245	162	158	7,090	8,705	15,059	364
March	4,653	20,739	206	184	9,403	11,358	n.p.	390
April	5,702	7,050	195	171	11,622	13,906	n.p.	398
May	4,742	16,958	187	171	9,719	11,493	16,936	408
June	4,576	12,105	161	179	9,428	11,138	16,013	317
July	4,178	11,829	155	202	9,706	12,064	18,831	245
August	4,676	21,333	152	194	8,687	10,317	19,505	199
September	5,701	19,337	131	138	10,480	12,654	18,136	201
1978-79 : July to Sept.	14,875	43,399	372	..	30,102	35,992	53,165	632
1979-80 : July to Sept.	14,555	52,499	439	..	28,873	35,035	56,472	645

PLASTICISERS AND PLASTICS AND SYNTHETIC RESINS

Plastics and synthetic resins
For moulding, extrusion, laminating, calendaring, etc.

Period	Plasticisers (407.02-08)	Phenolic (403.52)	Polyesters (403.62)	Polyethylene (403.65)	Ureas and melamines (403.82)		Other (c) (d)	Total
				- tonnes -				
1976-77	22,737	8,172	17,932	169,538	3,069	178,735	377,446	
1977-78	20,258	7,626	18,517	168,021	3,317	196,201	393,682	
1978-79	19,108	7,601	22,079	160,300	4,216	234,640	428,836	
1978 -								
August	1,565	465	1,956	14,810	385	20,822	38,438	
September	1,739	497	1,937	14,612	306	17,432	34,784	
October	1,303	722	1,978	11,995	335	17,800	32,830	
November	1,532	655	2,212	10,678	366	18,645	32,556	
December	1,544	479	1,979	9,514	259	19,476	31,707	
1979 -								
January	n.p.	460	970	15,523	231	19,207	36,391	
February	n.p.	635	1,552	10,434	412	18,484	31,517	
March	n.p.	665	2,046	13,510	403	22,264	38,888	
April	n.p.	672	1,529	16,965	304	21,491	40,961	
May	1,636	883	2,192	15,449	472	19,820	38,816	
June	812	785	1,917	13,760	391	21,344	38,197	
July	n.p.	786	1,926	15,630	357	22,841	41,540	
August	n.p.	792	1,707	16,296	361	24,140	43,296	
September	n.p.	712	1,736	n.p.	n.p.	23,715	37,331	
1978-79 : July to Sept.	5,062	1,645	5,704	42,472	1,043	56,109	106,973	
1979-80 : July to Sept.	n.p.	2,290	5,369	n.p.	n.p.	70,696	122,167	

(a) See paragraph 6 Explanatory Notes. (b) Code numbers 415.07 and 405.25. Includes double and triple superphosphates and ammonium phosphate expressed in terms of single phosphate i.e. 22% P₂O₅ equivalent. (c) Includes acrylics, cellulosics, vinyls. (d) Code numbers 403.02, 18, 20, 73, 90, 92, 96.

PLASTICS AND SYNTHETIC RESINS - continued

For protective coatings, paints etc.

Period	Acrylics	Alkyds	Phenolics	Polyvinyl	Rosin	Styrenes	Ureas and	Polyesters	Other	Total
	(404.01)	(404.02)	(404.32)	acetate	esters	(404.62)	melamines	(404.40)	(404.94)	
				(404.88)	(404.48)		(404.74)			
	- tonnes -									
1976-77	7,275	26,388	1,766	5,503	2,627	963	1,199	442	6,315	52,478
1977-78	8,090	26,836	1,608	5,706	2,277	827	1,349	579	4,779	52,051
1978-79	11,223	30,320	2,032	4,040	2,302	731	1,749	657	5,083	58,137
1978 -										
August	835	2,493	163	387	n.p.	n.p.	128	92	505	4,888
September	751	2,298	108	242	n.p.	55	104	n.p.	228	3,918
October	878	2,640	185	398	n.p.	56	360	n.p.	433	5,232
November	867	2,880	210	410	n.p.	n.p.	185	91	610	5,547
December	721	2,121	144	314	n.p.	n.p.	127	n.p.	460	4,166
1979 -										
January	428	1,581	105	143	76	n.p.	79	n.p.	334	2,795
February	n.p.	2,999	148	477	236	n.p.	150	53	440	7,096
March	n.p.	1,958	189	333	200	n.p.	80	30	301	4,038
April	548	2,483	168	313	249	n.p.	113	33	392	4,358
May	1,142	3,406	192	253	254	n.p.	180	76	430	5,999
June	859	3,137	243	299	213	64	122	79	497	5,513
July	1,083	3,048	222	483	265	64	192	103	486	5,946
August	1,019	3,216	234	510	182	65	170	59	541	5,996
September	947	3,301	252	599	253	66	166	96	513	6,193
1978-79 : July to Sept.	2,368	7,115	448	1,100	n.p.	n.p.	353	179	1,186	13,393
1979-80 : July to Sept.	3,049	9,565	708	1,592	700	195	528	258	1,540	18,135

PLASTICS AND SYNTHETIC RESINS - continued

For bonding and adhesives (a)

For other purposes (b)

Period	Phenolics	Polyvinyl	Ureas and	Other	Total	Vinyls	Other (c)	Total	Total for all purposes
	(404.34)	acetate	melamines	(404.96)		(404.84)	(d)		
		(404.90)	(404.76)						
	- tonnes -								
1976-77	4,808	4,661	29,234	2,595	41,298	2,959	6,668	9,627	480,491
1977-78	5,890	4,695	28,713	1,825	41,123	2,982	32,044	35,026	521,882
1978-79	6,263	6,063	36,264	1,692	50,282	3,611	76,992	80,603	617,858
1978 -									
August	614	447	2,876	153	4,090	n.p.	n.p.	7,188	54,604
September	483	542	3,637	101	4,763	n.p.	n.p.	7,223	50,688
October	501	641	3,149	171	4,462	n.p.	n.p.	7,793	50,317
November	571	453	2,998	173	4,195	n.p.	n.p.	7,613	49,911
December	462	420	2,535	79	3,496	n.p.	n.p.	1,133	40,502
1979 -									
January	233	224	1,775	115	2,347	n.p.	n.p.	7,383	48,916
February	502	777	3,525	109	4,913	n.p.	n.p.	8,068	51,594
March	725	837	3,055	185	4,802	n.p.	n.p.	6,224	53,952
April	537	430	2,949	98	4,014	n.p.	n.p.	8,218	57,551
May	522	451	3,012	166	4,151	n.p.	n.p.	5,613	54,579
June	661	553	3,569	180	4,963	n.p.	n.p.	7,827	56,500
July	685	831	2,905	158	4,579	n.p.	n.p.	8,476	60,541
August	621	836	2,929	171	4,557	n.p.	n.p.	8,987	62,836
September	675	695	3,218	141	4,729	n.p.	n.p.	8,916	57,169
1978-79 : July to Sept.	1,549	1,277	9,697	416	8,176	n.p.	n.p.	20,731	154,036
1979-80 : July to Sept.	1,981	2,362	9,052	470	13,865	n.p.	n.p.	26,379	180,546

(a) Liquid resin or emulsion form are shown in terms of dry weight of resin content. (b) e.g. textile impregnation, paper treatment, etc. (c) Includes phenolics and styrenes. (d) Code numbers 404.36, 64, 78, 98.

PAINTS AND OTHER SURFACE COATINGS

Period	Architectural and decorative paints, enamels and clears (a)					Industrial paints, enamels and clears (incl. lacquers and water thinned industrial products) (b)		
	Solvent thinned		Water thinned		Tinting colours, all types packed for sale or transfer out	Finishing coats		
	Primers and undercoats	Finishing coats (c)	Plastic latex	Other water based		Primers and undercoats	Nitro- cellulose lacquers	Other
(410.01)	(410.03, 05,07)	(410.11, 13,15)	(410.17)	(410.25)	(410.31,41)	(410.33, 43,45)	(410.37, 47,49)	
	-'000 litres -							
1976-77	12,153	28,901	35,133	270	582	10,892	4,344	34,391
1977-78	11,832	27,945	36,096	382	492	10,033	4,299	33,585
1978-79	10,722	26,322	36,499	1,673	565	10,601	4,999	35,036
1978 -								
August	966	2,191	2,815	148	55.6	847	409	3,091
September	973	2,195	3,054	107	55.0	953	451	2,806
October	927	2,126	2,909	177	39.4	921	431	2,931
November	1,123	2,764	3,887	221	50.0	1,212	471	3,800
December	838	1,999	2,801	157	33.9	750	366	2,821
1979 -								
January	734	1,863	2,516	121	46.3	505	219	2,206
February	903	2,232	3,115	161	46.4	849	471	2,926
March	548	1,301	2,119	90	35.5	516	378	1,758
April	759	1,949	2,986	130	42.0	697	453	2,638
May	1,308	3,261	4,713	145	65.7	1,363	512	4,435
June	798	2,354	2,952	139	47.0	1,108	447	3,085
July	859	2,294	3,141	138	49.9	1,018	461	3,302
August	989	2,668	3,837	178	55.6	1,248	637	3,624
September	948	2,465	3,717	177	44.4	881	406	2,813
1978-79 : July to Sept.	2,785	6,471	8,501	332	159	2,679	1,250	8,466
1979-80 : July to Sept.	2,796	7,427	10,695	494	150	3,147	1,504	9,739

PAINTS ETC. - continued AND THINNERS

Period	Wood stains (oil, spirit etc.) packed for sale or transfer out (d)	Marine coatings (e)	Bituminous paints not elsewhere included (f)	Water shedding preparations (410.69)	Other paints and coatings (g)	Thinners	
						For nitro- cellulose coatings (410.85)	For all other coatings (410.87)
(410.57)	(410.59)	(410.65)	(410.69)	(410.55,67,79)	(410.85)	(410.87)	
	-'000 litres -						
1976-77	5,166	1,694	1,382	770	9,928	10,513	12,769
1977-78	5,027	1,320	1,677	844	9,775	10,036	12,961
1978-79	4,048	1,731	1,509	712	9,903	10,236	13,338
1978 -							
August	379	138	145	49.3	876	944	1,097
September	381	132	108	30.1	784	821	1,104
October	376	123	79	58.2	795	799	1,116
November	421	148	100	45.7	948	965	1,335
December	338	89	59	50.6	765	741	952
1979 -							
January	293	171	117	20.2	658	694	792
February	319	201	189	81.1	843	961	1,296
March	234	91	165	107.2	546	689	844
April	322	118	115	65.3	713	851	1,141
May	394	225	169	67.8	1,206	1,271	1,622
June	280	110	115	75.3	968	751	1,028
July	321	205	118	47.8	1,201	816	1,308
August	396	130	137	50.2	1,166	891	1,544
September	325	203	93	68.5	986	873	1,146
1978-79 : July to Sept.	1,071	454	402	141	2,460	2,513	3,212
1979-80 : July to Sept.	1,042	538	348	167	3,354	2,581	3,999

(a) Excludes heavy duty coatings. (b) Includes automotive. (c) Includes varnishes and clear plastic coatings such as floor treatment compounds and two-pack type coatings. (d) Includes part-pigmented, Madison and Cresosite types for all uses including industrial. (e) Excludes super structure paints which are included with architectural and decorative paints. (f) Excludes car body sand delectants, heavy duty coatings and marine bituminous coatings. (g) Includes heavy duty coatings and decorative seamless flooring compounds and other paints and coatings not elsewhere included. Excludes leather dressings.

PAINTS AND OTHER SURFACE COATINGS : STATES - SEPTEMBER 1979

Code No.	Item	N.S.W.	Vic.	Qld	S.A.	W.A. & Tas.	Australia
- litres -							
Architectural and decorative paints, enamels and clears (a) -							
Solvent thinned -							
410.01	Primers and undercoats	343,060	250,968	259,271	48,227	46,376	947,902
Finishing coats, pigmented -							
410.03	Full gloss	736,496	429,160	288,572	71,407	43,140	1,568,775
410.05	Other than full gloss	281,182	165,223	73,179	29,972	31,077	580,633
410.07	Finishing coats, clears	183,559	102,784	11,730	n.p.	n.p.	316,042
Water thinned -							
Plastic latex -							
410.11	Primers and undercoats	48,441	58,924	62,609	n.p.	n.p.	181,876
Finishing coats -							
410.13	Flat	987,942	699,670	246,173	120,647	254,334	2,308,766
410.15	Other than flat (satin, semi-gloss, gloss)	368,591	320,644	329,916	116,428	90,907	1,226,486
410.17	Other water based	64,780	92,227	n.p.	5,072	n.p.	177,035
410.25	Tinting colours, all types, packed for sale or transfer out	25,470	7,177	n.p.	n.p.	-	44,426
Industrial paints, enamels and clears (includes lacquers and water thinned industrial products) -							
Automotive -							
410.31	Primers and undercoats	71,529	241,308	n.p.	n.p.	n.p.	402,828
Finishing coats -							
410.33	Nitro-cellulose lacquers	13,848	8,665	-	n.p.	n.p.	25,271
410.37	Other	202,608	438,090	n.p.	n.p.	n.p.	856,186
Other industrial -							
410.41	Primers and undercoats	159,306	182,371	81,586	32,137	22,984	478,384
Finishing coats -							
Nitro-cellulose lacquers -							
410.43	Clears	145,929	85,713	n.p.	n.p.	n.p.	283,334
410.45	Colours	48,466	26,921	4,007	n.p.	n.p.	96,977
Other -							
410.47	Clears	149,084	268,083	27,491	n.p.	n.p.	452,021
410.49	Colours	764,707	444,697	101,594	109,621	84,145	1,504,764
Heavy duty coatings							
410.57	Wood stains (oil, spirit, etc.) packed for sale or transfer out (b)	252,720	137,310	n.p.	n.p.	n.p.	519,052
410.59	Marine coatings (c)	181,933	76,666	58,197	n.p.	n.p.	325,392
410.65	Bituminous paints, not elsewhere included (d)	93,994	n.p.	n.p.	n.p.	n.p.	202,926
410.67	Decorative seamless flooring compounds	89,386	2,595	n.p.	n.p.	n.p.	92,574
410.69	Water shedding preparations	n.p.	4,751	9,933	-	n.p.	3,623
410.79	Other paints and coatings not elsewhere included (excludes leather dressings)	44,095	4,751	9,933	n.p.	n.p.	68,495
Thinners -							
410.85	For nitro-cellulose coatings	155,953	147,396	104,364	31,708	24,382	463,703
410.87	For all other coatings	268,870	274,228	147,879	103,699	78,455	873,131
		445,555	308,419	162,631	142,428	86,915	1,345,948

PAPER

Period	Writings and duplicating (e)			Wrapping		Tissue and sanitary		Total
	Newsprint (351.11)	Printings (351.18)	duplicating (e) (351.25,29)	Kraft (351.41,43)	Other (351.49)	Other (f) (351.21, 79)		
- tonnes -								
1976-77	206,590	54,829	87,966	321,623		91,041	28,915	790,964
1977-78	207,621	69,982	82,877	323,087		93,586	35,252	812,405
1978-79	208,143	84,892	104,852	323,309		99,630	23,739	844,565
1978 -								
August	18,851	6,958	7,564	13,485	14,851	8,548	2,039	72,296
September	18,020	8,155	8,112	10,745	18,697	10,399	1,922	76,050
October	18,424	7,311	9,334	10,278	10,995	7,648	1,727	65,717
November	17,114	9,197	7,398	25,782		8,363	2,481	70,335
December	13,278	7,673	8,483	26,414		6,378	1,818	64,044
1979 -								
January	16,607	6,247	9,303	26,574		4,769	1,405	64,905
February	16,297	5,768	9,105	30,606		8,052	2,573	72,401
March	17,908	7,198	9,651	27,816		10,152	1,780	74,505
April	17,603	8,124	8,811	32,097		8,844	2,124	76,863
May	17,510	5,159	10,458	23,596		9,892	2,223	66,691
June	17,414	6,391	9,082	25,462		9,892	2,124	70,474
July	18,912	6,806	10,298	29,742		9,230	2,459	77,447
August	18,570	9,442	9,401	35,510		9,668	1,939	84,530
September	18,070	6,378	9,697	27,505		9,709	3,831	75,190
1978-79 : July to Sept.	55,988	21,824	23,227	36,488	47,193	28,222	5,680	218,622
1979-80 : July to Sept.	55,552	22,626	29,396	92,757		28,607	8,229	237,167

(a) Excludes heavy duty coatings. (b) Includes part-pigmented, Madison and Creosote types for all uses including industrial. (c) Excludes super structure paints which are included with architectural and decorative paints. (d) Excludes car body sound deadeners, heavy duty coatings and marine bituminous coatings. (e) Prior to July 1978, figures relate to code no. 351.29 only. (f) Prior to July 1978, includes code no. 351.25.

PULP, PAPER BOARDS AND PAPER FELTS

Period	Paper boards (b)							Paper felts (353.01)
	Wood pulp (a)			Other				
	Chemical (341.31-37)	Mechanical (341.39)	Other (341.45)	Uncoated				
				Box and carton (352.21,23)	Box and container (352.13)	Other (352.33)		
				- tonnes -				
1976-77	182,874	184,182	229,896	123,634	259,988	52,742	2277	
1977-78	189,815	193,368	243,187	119,573	250,919	44,798	93	
1978-79	197,505	192,433	256,679	121,677	250,545	48,683	194	
1978 -								
August	17,250	18,120	20,616	12,134	19,319	2,928	60	
September	16,277	19,338	24,979	13,601	30,234	5,491	-	
October	16,124	15,888	22,464	9,969	17,098	3,854	n.p.	
November	16,711	14,727	21,710	12,383	17,248	6,230	-	
December	16,500	12,084	23,794	7,415	18,693	2,054	n.p.	
1979 -								
January	15,686	11,369	14,999	6,449	16,591	3,114	-	
February	16,054	13,771	20,561	9,625	17,373	5,719	-	
March	14,814	18,727	21,053	9,859	21,481	5,010	-	
April	18,490	16,910	23,648	12,118	25,991	3,723	n.p.	
May	16,636	18,037	22,321	8,414	20,627	4,552	-	
June	16,785	18,675	22,529	11,075	19,831	3,301	-	
July	16,899	16,770	22,600	8,045	18,609	4,285	-	
August	17,608	17,878	26,121	10,573	23,932	8,209	-	
September	17,605	15,502	23,112	10,373	22,350	4,210	n.p.	
1978-79 : July to Sept.	49,705	52,245	63,600	34,370	75,612	11,126	60	
1979-80 : July to Sept.	52,112	50,150	71,833	28,991	64,891	16,704	n.p.	

ADHESIVE TAPES

Period	Produced in establishment					Converted from rolls purchased or transferred in				
	Gummed (liquid activated) (769.21,31)	Pressure sensitive (non-reinforced)				Gummed (liquid activated) (769.15)	Pressure sensitive (non-reinforced)			Pressure sensitive reinforced (d) (769.14,41)
		Paper (769.51)	Original manufacture				Paper (769.15)	Cellulose and plastic (769.17,18)	Cloth and other (769.16,19)	
			Paper (769.53)	Plastic (769.54)	Other (c) (769.52,59)					
					- '000 square metres -					
1976-77	n.p.	9,163	6,233	7,440	246	2,479	2,426	2,638	465	572
1977-78	n.p.	8,223	5,368	8,146	264	2,737	4,280	530	311	724
1978-79	7,093	9,808	5,783	9,649	444	2,485	3,322	514	395	554
1978 -										
August	630	967	494	1,069	29	244	n.p.	40	33	46
September	n.p.	896	437	870	46	233	177	n.p.	38	50
October	n.p.	1,057	600	1,037	17	275	n.p.	n.p.	27	80
November	1,016	1,027	562	925	78	n.p.	n.p.	86	38	39
December	n.p.	524	568	978	45	n.p.	n.p.	n.p.	n.p.	50
1979 -										
January	n.p.	260	320	347	9	n.p.	325	n.p.	14	24
February	475	996	493	584	28	210	322	n.p.	26	25
March	1,110	954	471	759	38	259	280	32	53	35
April	668	623	431	654	39	215	152	46	27	65
May	1,000	994	370	920	33	205	468	n.p.	50	45
June	443	719	397	791	32	169	260	n.p.	56	41
July	366	953	452	977	30	169	466	n.p.	22	37
August	380	583	470	1,472	51	177	333	n.p.	35	59
September	588	906	383	995	48	169	527	n.p.	27	38
1978-79 : July to Sept.	n.p.	2,655	1,507	2,654	127	648	n.p.	n.p.	89	152
1979-80 : July to Sept.	1,334	2,442	1,305	3,444	129	515	1,326	n.p.	84	134

(a) Quantities shown represent tonnes air-dried. (b) Paper exceeding 205 grammes per square metre is classified as paper board. (c) Includes cloth. (d) Refer to production in the establishment and conversion from rolls purchased or transferred in.

SOAP

Period	For personal toilet use					For other purposes - non-abrasive		
	Toilet				Total	Powder and granule		
	Solid and powder (805.01, 03)	Liquid and paste (805.05)	Shampoo (805.08)	Shaving (a) (805.10, 11,13)		Solid (bar), flakes and chips (b) (805.22,24, 46,48,58)	Small packs (c) (805.26)	Large packs (d) (805.50)
	- tonnes -							
1976-77	25,352	717	1,333	879	28,281	12,569	7,092	1,843
1977-78	26,824	659	1,586	972	30,041	10,907	6,075	1,838
1978-79	26,318	741	2,337	893	30,289	10,949	5,547	1,482
1978 -								
August	2,972	68	174	114	3,328	999	556	171
September	2,442	62	210	83	2,797	1,047	491	98
October	2,325	57	263	71	2,716	1,101	656	210
November	2,306	60	221	92	2,679	1,147	395	111
December	1,904	69	120	53	2,146	645	n.p.	122
1979 -								
January	1,144	63	107	61	1,375	670	n.p.	54
February	1,895	50	247	93	2,285	592	442	103
March	2,346	65	239	89	2,739	696	425	142
April	1,986	52	182	45	2,265	485	n.p.	103
May	2,500	63	249	107	2,919	1,139	n.p.	169
June	1,789	78	127	33	2,027	1,343	n.p.	94
July	2,656	60	159	92	2,967	1,349	663	111
August	2,049	78	199	83	2,409	1,500	473	166
September	2,196	55	161	52	2,464	1,373	661	222
1978-79 : July to Sept.	8,123	184	582	249	9,138	3,131	1,601	374
1979-80 : July to Sept.	6,901	193	519	227	7,840	4,222	1,797	499

SOAP - continued AND ABRASIVE CLEANSERS AND SCOURERS

Period	For other purposes - non-abrasive - continued								
	Liquid						Abrasive cleansers and scourers		
	Disinfectant type (e)		Non-disinfectant type		Soft (incl. paste)		Small packs (c)		
	Small packs (c) (805.30)	Large packs (d) (805.52)	Small packs (c) (805.32)	Large packs (d) (805.54)	Small packs (c) (805.34)	Large packs (d) (805.56)	Granules and powder (805.38)	Paste (805.40)	Large packs (d) (805.60)
	- tonnes -								
1976-77	594	1,998	827	3,206	557	28,686	485	360	697
1977-78	802	2,465	696	2,813	590	26,187	468	359	708
1978-79	1,192	2,145	571	2,640	694	25,220	415	365	617
1978 -									
August	109	200	43	225	60	2,363	n.p.	33	59
September	90	186	45	240	37	2,234	n.p.	28	45
October	n.p.	146	59	252	n.p.	2,580	32	24	61
November	n.p.	228	36	230	n.p.	2,305	9	36	51
December	87	151	n.p.	200	65	1,470	45	32	57
1979 -									
January	n.p.	165	n.p.	189	51	1,387	n.p.	24	45
February	n.p.	172	n.p.	201	54	1,755	n.p.	32	35
March	64	199	47	231	71	1,875	56	37	59
April	n.p.	155	60	213	74	1,856	34	27	46
May	n.p.	173	52	226	48	2,497	49	24	54
June	108	210	33	203	52	2,571	7	33	44
July	127	183	46	221	69	2,769	50	40	31
August	122	178	40	205	49	2,733	29	27	43
September	92	180	57	211	57	2,853	31	29	40
1978-79 : July to Sept.	290	546	142	695	133	6,915	n.p.	96	165
1979-80 : July to Sept.	341	541	143	637	175	8,355	110	96	114

(a) Includes solid shaving soap. (b) Includes woolscouring soap in large packs. (c) Contains 3 kg or less of solid or 5 litre or less of liquid. Excludes 'dairy cleansers'. (d) Contains over 3 kg of solid or over 5 litre of liquid. Includes all 'dairy cleansers' regardless of size. (e) Excludes products marketed primarily as disinfectants.

DETERGENTS

Period	Synthetic										Total
	Abrasive cleaners and scourers				Non-abrasive						
					For personal toilet use		For other purposes				
	Small packs		Solid packs (806.18)	Large packs (806.36)	Solid powder (806.02)	Liquid paste and cream		Liquid paste and cream		Other (806.10, 14.30,32)	
Powder and granule (806.20)	Paste and cream (806.22)	Toilet (806.04)				Shampoo (806.06)	Small packs (a) (806.16)	Large packs (b) (806.34)			
1976-77	9,288	—	900	1,391	7,557	51,347	24,112	79,450	174,045		
1977-78	10,038	—	935	1,707	9,017	53,060	24,952	81,911	181,659		
1978-79	8,622	—	937	1,468	9,338	54,444	26,983	80,499	182,291		
1978 —											
August	825	—	73	154	868	5,166	2,115	8,133	17,334		
September	709	—	82	114	672	4,667	2,085	5,573	13,902		
October	728	—	88	93	815	5,114	2,152	7,307	16,297		
November	1,029	—	80	163	1,004	5,103	2,373	8,880	18,632		
December	464	—	82	128	681	4,341	2,470	5,926	14,092		
1979 —											
January	532	—	52	104	612	3,308	1,637	3,882	10,127		
February	644	—	66	120	762	4,275	2,050	5,865	13,782		
March	890	—	84	159	914	4,252	3,086	6,366	16,021		
April	607	—	57	92	659	3,754	2,172	5,206	12,549		
May	926	—	105	128	844	4,750	2,432	7,994	17,179		
June	741	—	95	92	819	4,784	2,170	7,191	15,892		
July	861	—	105	130	905	6,288	2,472	9,792	20,553		
August	724	—	109	152	975	5,174	2,577	7,882	17,593		
September	800	1	133	154	951	4,757	2,402	6,786	15,983		
1978-79 : July to Sept.	2,061	—	228	385	2,226	14,763	6,441	21,612	47,720		
1979-80 : July to Sept.	2,385	—	347	436	2,831	16,219	7,451	24,460	54,129		

DETERGENTS - continued AND PLASTIC COATED MATERIALS (c)

Period	Plastic coated materials										
	Other detergents				Vinyl chloride (incl. co-polymers on knitted or woven textile material)		Vinyl chloride (incl. co-polymers on paper or paperboard)		Polyethylene		Other polymers on knitted and woven materials
	Alkaline (806.40)	Emulsion cleansers (806.44)	Other (incl. acid cleansers (806.25, 42.45)	Total detergents	Expanded (424.30)	Other (424.32)	On regen- erated cellulose (424.33,51)	On other film substrates (424.42)	On other textile materials (424.43-47)		
1976-77	21,776	6,353	7,356	208,840	5,503	8,340	n.p.	16,739	36,462	5,230	
1977-78	20,880	6,621	7,523	216,683	4,699	7,601	2,470	11,437	35,712	4,925	
1978-79	20,831	6,214	7,126	216,462	4,984	7,944	1,206	7,607	77,812	4,643	
1978 —											
August	1,927	492	596	20,349	490	679	n.p.	499	7,131	385	
September	1,890	524	802	17,118	441	889	n.p.	758	4,922	362	
October	1,859	536	726	19,418	392	650	n.p.	945	6,568	423	
November	1,877	635	602	21,746	473	750	n.p.	n.p.	8,256	407	
December	1,819	516	614	17,041	389	543	n.p.	n.p.	6,925	305	
1979 —											
January	1,416	450	486	12,479	253	335	n.p.	n.p.	2,730	178	
February	1,734	434	565	16,515	437	665	n.p.	437	8,260	414	
March	1,709	561	599	18,890	419	600	n.p.	1,060	7,886	406	
April	1,535	462	427	14,973	259	660	n.p.	469	5,810	386	
May	1,742	602	560	20,083	475	596	n.p.	540	7,290	510	
June	1,671	551	505	18,619	445	859	n.p.	1,21	7,948	478	
July	1,601	516	589	23,257	359	597	n.p.	694	9,258	405	
August	1,792	651	540	20,576	518	871	n.p.	326	8,215	566	
September	1,771	547	579	18,880	387	642	n.p.	486	7,994	594	
1978-79 : July to Sept.	5,469	1,467	2,042	56,698	1,441	2,286	n.p.	2,097	16,110	1,137	
1979-80 : July to Sept.	5,164	1,714	1,708	62,715	1,264	2,110	n.p.	1,506	25,467	1,564	

(a) Contains 3kg or less of solid or 5 litres or less of liquid. Excludes 'dairy cleansers'. (b) Contains over 3kg of solid or 5 litres of liquid. (c) Area of completion of final coating by any method including laminating on continuous supporting materials. Includes production of the specified combinations even if subsequently used in the same establishment for further processing. Excludes coating intended for adhesive purposes in the production of laminates.

UNSUPPORTED PLASTICS FILM, FOIL AND SHEETING (a) - BY POLYMER TYPE

Period	Vinyl chloride including co-polymers (423.02,03,06,07)	Polyethylene		Poly- styrene (423.31,35)	Other (d) (423.41,45,61,65)	Total
		Low density (b) (423.11,13)	High density (c) (423.21,25)			
- '000 kilograms -						
1976-77	15,819	59,991	1,976	8,727	14,809	101,322
1977-78	15,742	64,720	2,166	8,225	15,108	105,960
1978-79	15,932	74,063	2,743	8,575	16,080	117,393
1978 -						
August	1,465	6,831	210	886	1,311	10,704
September	1,452	6,691	208	663	1,201	10,215
October	1,479	6,476	166	773	1,284	10,177
November	1,670	6,503	282	884	1,455	10,793
December	952	5,289	260	603	1,031	8,135
1979 -						
January	855	4,275	130	533	851	6,644
February	1,382	6,309	278	713	1,436	10,119
March	1,531	6,503	254	769	1,440	10,497
April	1,188	5,652	216	605	1,403	9,064
May	1,519	7,198	262	751	1,621	11,352
June	1,142	6,639	246	683	1,814	10,524
July	1,666	7,961	296	717	1,740	12,380
August	1,855	7,423	298	697	1,584	11,857
September	1,609	7,752	338	715	1,327	11,741
1978-79 : July to Sept.	4,213	19,220	650	2,261	3,744	30,088
1979-80 : July to Sept.	5,130	23,136	932	2,128	4,652	35,978

UNSUPPORTED PLASTICS FILM, FOIL AND SHEETING (a) - BY THICKNESS

Period	Film (thickness less than 0.25 mm)			Sheeting and sheets (thickness 0.25 mm and over)			Total film and sheeting and sheets
	Vinyl chloride including co-polymers (423.02,03)	Other (423.11,21, 31,41,61)	Total film	Vinyl chloride including co-polymers (423.06,07)	Other (423.15,25, 35,45,65)	Total sheeting and sheets	
- '000 kilograms -							
1976-77	9,055	69,486	78,541	6,764	16,017	22,781	101,322
1977-78	8,711	74,892	83,603	7,031	15,327	22,357	105,960
1978-79	9,472	81,629	91,100	6,461	18,041	24,501	115,602
1978 -							
August	886	7,381	8,268	579	1,742	2,321	10,588
September	844	7,213	8,056	608	1,427	2,035	10,093
October	873	7,074	7,947	605	1,502	2,107	10,054
November	1,048	7,183	8,231	622	1,814	2,435	10,666
December	544	5,850	6,394	408	1,202	1,610	8,004
1979 -							
January	527	4,588	5,116	328	1,061	1,388	6,504
February	758	7,055	7,813	624	1,531	2,156	9,968
March	871	7,122	7,993	660	1,675	2,335	10,328
April	736	6,222	6,957	453	1,461	1,914	8,871
May	961	7,991	8,952	559	1,637	2,196	11,148
June	675	7,618	8,293	467	1,558	2,026	10,318
July	1,011	9,102	10,113	655	1,613	2,268	12,380
August	1,089	8,625	9,714	766	1,377	2,143	11,857
September	1,130	8,838	9,968	479	1,294	1,772	11,741
1978-79 : July to Sept.	2,478	20,928	23,406	1,735	4,500	6,334	29,740
1979-80 : July to Sept.	3,230	26,565	29,795	1,900	4,283	6,183	35,978

(a) Rigid and flexible (includes lay flat tubing) - not profile. Includes film or sheet used in further production in the same establishment. (b) S.G. less than 0.941. (c) 0.941 S.G. and above. (d) Includes cellulose acetate.