

AUSTRALIAN BUREAU OF STATISTICS Canberra

CATALOGUE NO. 8362.0

NOON 5 FEBRUARY 1979

PRODUCTION BULLETIN NO. 6 : CHEMICALS AND BY-PRODUCTS AUSTRALIA, NOVEMBER 1978

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 bulletin is one of a series of eight publications 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 bulletin 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 bulletin 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. The seasonally adjusted figures have been revised following annual reanalysis. 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)

All 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
- n.y.a. not yet available

R. J. CAMERON
Australian Statistician

INDEX

	<i>Page</i>		<i>Page</i>
Acids		Paints, enamels and clears	5,6
hydrochloric	3	Paper	6
nitric	3	Paperboards	7
sulphuric	3	Plastic and synthetic resins	3,4
Adhesive tapes	7	Plastic coated materials	9
Architectural paints	5	Plastic film, foil and sheeting	10
		Plasticisers	3
Caustic soda	3	Pulp, wood	7
Chemicals	3		
Chlorine	3	Resins, synthetic and plastic	3
Cleansers and scourers	8		
		Soap	8
Decorative paints	5,6	Sodium hydroxide	3
Detergents	9	Sulphate of ammonia	3
		Sulphuric acid	3
Hydrochloric acid	3	Superphosphate	3
Industrial paints	5,6	Tapes, adhesive	7
		Thinners	5,6
Newsprint	6		
Nitric acid	3	Wood pulp	7
		Wood stains	5,6

CHEMICALS AND ACIDS

Period	Acids (in terms of 100% acid)						
	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)	Seas adj. (a)			
	tonnes	tonnes	— '000 tonnes —		tonnes	tonnes	'000 tonnes
1975-76	46,554	147,559	1,295	..	113,326	137,238	219,764
1976-77	51,526	166,056	1,721	..	107,069	129,460	201,589
1977-78	53,386	152,610	1,820	..	106,218	131,246	217,404
1977 —							
October	3,929	19,645	135	138	9,184	11,476	18,188
November	5,016	17,059	157	153	7,764	9,026	19,750
December	3,794	14,639	158	139	6,998	8,677	17,470
1978 —							
January	4,839	14,841	172	157	10,570	12,270	20,361
February	4,106	12,501	160	153	8,792	10,556	15,105
March	3,528	13,895	170	164	8,033	9,969	18,784
April	4,651	7,244	189	167	11,585	15,743	20,358
May	5,076	15,750	177	163	7,448	9,751	19,577
June	4,307	8,983	147	160	7,802	8,954	11,170
July	4,184	16,232	117	153	11,026	13,385	18,268
August	5,654	15,661	113	143	10,435	12,079	16,095
September	5,037	11,077	145	149	8,641	10,528	18,802
October	5,131	14,737	156	159	9,592	11,690	21,926
November	4,269	14,535	151	146	6,069	7,807	26,548
1977-78 : July to Nov.	23,085	64,757	647	..	44,990	55,326	94,579
1978-79 : July to Nov.	24,275	72,242	682	..	45,763	55,489	101,639

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 —			
1975-76	22,653	6,889	18,195	119,495	3,060	161,552	309,191
1976-77	22,737	8,172	17,932	163,435	3,069	178,735	371,343
1977-78	20,229	7,626	18,517	168,021	3,317	195,717	393,198
1977 —							
October	1,559	275	1,549	12,060	145	14,073	28,102
November	1,665	766	1,825	14,573	301	17,358	34,823
December	1,700	512	2,023	9,261	186	15,962	27,944
1978 —							
January	1,610	426	807	16,078	111	16,544	33,966
February	1,503	722	1,903	14,531	298	16,489	33,943
March	1,886	690	1,471	14,905	308	18,030	35,404
April	1,790	599	1,741	14,187	279	16,563	33,369
May	1,386	828	1,482	14,519	335	18,159	35,323
June	1,327	736	1,466	13,417	339	14,950	30,290
July	1,750	683	1,811	13,050	352	17,814	33,710
August	1,565	465	1,956	14,810	385	20,787	38,403
September	1,739	497	1,937	14,612	306	17,398	34,750
October	1,303	722	1,978	11,995	335	17,764	32,794
November	1,523	655	2,212	10,678	366	18,604	32,515
1977-78 : July to Nov.	9,027	3,113	7,624	71,123	1,461	79,020	162,341
1978-79 : July to Nov.	7,880	3,022	9,894	65,145	1,744	92,367	172,172

(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, cellulotics, vinyls. (d) Code numbers 403.02, 18, 20, 73, 90, 92, 96.

PLASTICS AND SYNTHETIC RESINS - continued

For protective coatings, paints etc.

Period	Acrylics (a) (404.01)	Alkyds (a) (404.02)	Phenolics (a) (404.32)	Polyvinyl acetate (a) (404.88)	Rosin esters (a) (404.48)	Styrenes (a) (404.62)	Ureas and melamines (a) (404.74)	Polyesters (a) (404.40)	Other (a) (404.94)	Total
- tonnes -										
1975-76	6,064	25,134	1,718	6,423	2,346	1,020	1,052	268	5,686	49,711
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	6,657	2,277	648	1,349	579	4,779	52,823
1977 -										
October	490	2,337	114	711	n.p.	n.p.	79	60	315	4,402
November	726	2,760	148	988	n.p.	n.p.	131	42	552	5,561
December	777	2,321	115	793	n.p.	n.p.	115	48	415	4,948
1978 -										
January	453	1,493	82	215	n.p.	n.p.	73	26	323	2,802
February	786	2,336	116	477	n.p.	n.p.	146	75	325	4,476
March	702	2,433	179	619	n.p.	n.p.	138	49	423	4,812
April	597	1,958	170	389	n.p.	n.p.	125	57	323	3,858
May	835	2,369	152	487	n.p.	n.p.	134	56	312	4,554
June	763	2,235	178	505	n.p.	n.p.	120	n.p.	n.p.	4,632
July	782	2,255	177	582	n.p.	n.p.	121	52	453	4,629
August	835	2,398	163	507	n.p.	n.p.	128	92	505	4,913
September	751	2,207	108	327	n.p.	55	104	n.p.	228	3,912
October	878	2,500	185	499	n.p.	56	360	n.p.	433	5,193
November	867	2,750	210	515	n.p.	n.p.	185	91	610	5,522
1977-78 : July to Nov.	3,177	11,691	616	3,172	n.p.	n.p.	498	n.p.	2,148	22,741
1978-79 : July to Nov.	4,113	12,110	843	2,430	n.p.	n.p.	898	340	2,229	24,169

PLASTICS AND SYNTHETIC RESINS - continued

Period	For bonding and adhesives (a)				Total	For other purposes (b)			Total for all purposes
	Phenolics (404.34)	Polyvinyl acetate (404.90)	Ureas and melamines (404.76)	Other (404.96)		Vinyls (404.84)	Other (c) (d)	Total	
					— tonnes —				
1975-76	4,096	3,636	28,320	2,693	38,745	2,599	6,884	9,483	407,130
1976-77	4,808	4,661	29,234	2,595	41,298	2,959	6,668	9,627	474,388
1977-78	5,890	4,932	28,666	1,942	41,477	3,206	32,044	35,250	522,748
1977 —									
October	452	260	2,234	102	3,048	134	653	787	36,339
November	692	266	2,430	200	3,588	n.p.	n.p.	930	44,902
December	593	334	1,827	140	2,894	n.p.	n.p.	1,729	37,515
1978 —									
January	241	98	1,270	83	1,692	n.p.	n.p.	1,767	40,227
February	477	745	2,721	163	4,106	n.p.	n.p.	4,658	47,173
March	524	650	2,492	232	3,898	n.p.	n.p.	5,178	49,279
April	507	699	2,658	155	4,019	n.p.	n.p.	3,750	44,994
May	519	587	2,635	188	3,976	n.p.	n.p.	6,815	50,660
June	485	433	2,777	139	3,834	n.p.	n.p.	7,341	46,711
July	452	358	3,184	162	4,156	n.p.	n.p.	6,313	48,808
August	614	482	2,876	153	4,125	n.p.	n.p.	7,165	54,606
September	483	624	3,637	101	4,845	n.p.	n.p.	7,221	50,728
October	501	641	3,149	171	4,462	n.p.	n.p.	7,760	50,209
November	571	453	2,998	173	4,195	n.p.	n.p.	7,597	49,829
1977-78 : July to Nov.	2,544	1,386	12,286	879	17,095	n.p.	n.p.	4,012	206,189
1978-79 : July to Nov.	2,621	2,558	15,844	760	21,783	n.p.	n.p.	36,056	255,180

(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		Prime- t 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 -							
1975-76	12,660	29,893	31,878	286	500	10,690	4,909	34,267
1976-77	12,153	28,901	35,133	270	582	10,892	4,344	34,391
1977-78	11,832	27,945	36,090	332	492	9,965	4,299	33,585
1977 -								
October	990	2,296	2,882	23	41.3	641	287	2,436
November	1,130	2,869	4,014	25	39.6	1,045	459	3,582
December	989	2,423	3,094	15	32.4	771	339	2,535
1978 -								
January	821	1,821	2,316	18	25.1	492	203	1,810
February	981	2,334	2,908	28	36.5	809	409	2,761
March	1,054	2,539	3,024	29	44.7	935	435	3,092
April	964	1,999	2,535	17	41.8	802	327	2,424
May	1,039	2,540	3,324	56	46.1	967	416	3,045
June	875	2,186	2,676	54	44.8	894	362	2,842
July	846	2,085	2,632	76	48.0	879	391	2,659
August	966	2,191	2,815	148	55.6	847	409	3,001
September	973	2,195	3,054	107	55.0	953	451	2,806
October	927	2,126	2,909	160	39.4	921	431	2,901
November	1,123	2,764	3,887	197	48.3	1,212	477	3,757
1977-78 : July to Nov.	5,109	12,102	16,215	115	220	4,293	1,807	15,078
1978-79 : July to Nov.	4,836	11,362	15,297	689	246	4,813	2,158	15,124

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	Other paints and coatings (g)	Thinners	
	(410.57)	(410.59)	(410.65)	(410.69)	(410.55,67,79)	For nitro- cellulose coatings	For all other coatings
	- '000 litres -						
1975-76	4,606	1,625	1,393	530	9,651	10,656	12,075
1976-77	5,166	1,694	1,382	770	9,928	10,496	12,744
1977-78	5,027	1,320	1,677	600	9,775	10,041	13,021
1977 -							
October	496	108	171	52.0	744	742	808
November	622	104	155	65.5	920	941	1,290
December	437	87	70	68.9	695	766	930
1978 -							
January	354	69	87	28.1	634	568	652
February	389	113	199	62.8	825	903	1,160
March	407	147	103	62.1	860	944	1,269
April	302	111	133	45.5	725	766	1,001
May	398	124	126	54.1	964	925	1,297
June	354	113	202	31.8	760	846	1,019
July	311	184	148	61.6	800	748	1,011
August	379	138	145	49.3	876	944	1,097
September	381	132	108	30.1	784	821	1,104
October	392	123	79	58.2	795	799	1,116
November	444	148	100	45.7	948	965	1,335
1977-78 : July to Nov.	2,385	557	758	247	4,311	4,322	5,694
1978-79 : July to Nov.	1,907	725	581	245	4,203	4,277	5,663

(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 Creosote types for all uses including industrial. (e) Excludes super structure paints which are included with architectural and decorative paints. (f) Excludes car body sound deadeners, 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 - OCTOBER 1978

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	480,046	297,677	233,926	62,368	49,211	1,123,228
Finishing coats, pigmented -							
410.03	Full gloss	811,894	486,744	303,144	94,012	78,847	1,774,641
410.05	Other than full gloss	280,470	241,413	54,827	36,702	35,403	648,815
410.07	Finishing coats, clears	195,423	95,618	20,633	13,247	16,120	341,041
Water thinned -							
Plastic latex -							
410.11	Primers and undercoats	71,310	80,233	53,604	n.p.	n.p.	231,279
Finishing coats -							
410.13	Flat	1,065,870	668,886	249,498	193,899	253,156	2,431,309
410.15	Other than flat (satin, semi-gloss, gloss)	375,233	331,867	312,427	90,363	114,337	1,224,227
410.17	Other water based	61,601	n.p.	n.p.	n.p.	n.p.	197,198
410.25	Tinting colours, all types, packed for sale or transfer out	28,424	5,752	n.p.	n.p.	-	48,284
Industrial paints, enamels and clears (includes lacquers and water thinned industrial products) -							
Automotive -							
410.31	Primers and undercoats	145,133	384,005	n.p.	n.p.	n.p.	644,304
Finishing coats -							
410.33	Nitro-cellulose lacquers	16,087	16,598	-	n.p.	n.p.	33,464
410.37	Other	n.p.	526,378	n.p.	n.p.	n.p.	1,077,343
Other industrial -							
410.41	Primers and undercoats	229,041	172,918	99,943	39,551	26,605	568,058
Finishing coats -							
Nitro-cellulose lacquers -							
410.43	Clears	190,363	76,594	n.p.	n.p.	n.p.	316,876
410.45	Colours	71,516	38,170	6,718	n.p.	n.p.	126,514
Other -							
410.47	Clears	419,359	335,694	58,024	n.p.	n.p.	830,239
410.49	Colours	1,024,238	475,637	127,588	140,259	81,547	1,849,269
410.55	Heavy duty coatings	199,601	150,626	n.p.	n.p.	61,100	527,574
410.57	Wood stains (oil, spirit, etc.) packed for sale or transfer out (b)	204,055	174,255	50,603	n.p.	n.p.	444,146
410.59	Marine coatings (c)	n.p.	n.p.	n.p.	n.p.	n.p.	148,042
410.65	Bituminous paints, not elsewhere included (d)	94,977	2,156	n.p.	-	n.p.	100,387
410.67	Decorative seamless flooring compounds	n.p.	-	-	-	n.p.	6,633
410.69	Water shedding preparations	18,548	n.p.	10,926	9,594	n.p.	45,677
410.79	Other paints and coatings not elsewhere included (excludes leather dressings)	83,743	194,317	69,742	n.p.	n.p.	414,186
Thinners -							
410.85	For nitro-cellulose coatings	292,239	321,017	136,317	113,726	101,921	965,220
410.87	For all other coatings	568,570	297,782	237,952	158,237	72,261	1,334,802

PAPER

PAKER								
Period	Newsprint (351.11)	Printings (351.18)	Writings and duplicating (e) (351.25, 29)	Wrapping		Tissue and sanitary (351.51)	Other (f) (351.21, 79)	Total
				Kraft (351.41, 43)	Other (351.49)			
				- tonnes -				
1975-76	206,227	46,344	69,944	303,232		89,246	29,332	744,325
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
1977 -								
October	18,155	6,361	6,933	24,698		7,195	2,591	65,933
November	17,102	6,193	6,164	33,819		7,669	3,160	74,107
December	13,870	3,014	7,135	34,287		6,777	3,512	68,595
1978 -								
January	16,323	5,477	5,479	14,222		6,829	4,136	52,466
February	16,810	6,875	6,516	22,077		7,196	2,859	62,333
March	18,293	5,917	6,428	26,021		7,630	2,011	66,300
April	17,932	7,708	7,082	24,194		9,881	3,025	69,822
May	18,128	7,042	7,073	27,932		7,752	3,258	71,185
June	17,337	7,199	6,191	30,726		8,766	3,373	73,592
July	19,117	6,711	7,551	12,258	13,645	9,275	7,179	70,276
August	18,851	6,958	7,564	13,485	14,851	8,548	2,039	72,296
September	18,020	8,155	8,122	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	25,182		8,363	2,481	70,335
1977-78 : July to Nov.	88,928	26,750	36,973	143,628		38,755	13,078	348,112
1978-79 : July to Nov.	91,526	38,332	39,959	130,736		44,233	9,888	354,674

(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)			Coated box and carton (352.21)	Uncoated			
	Chemical (341.31-37)	Mechanical (341.39)	Other (341.45)		Box and container (352.13)	Box and carton (352.23) (c)	Other (352.33)	
				— tonnes —				
1975-76	162,152	173,766	219,748		217,878	118,917	45,515	52
1976-77	182,874	184,182	229,896		259,988	123,634	52,742	277
1977-78	189,815	193,368	243,187		250,919	119,573	44,798	69
1977 —								
October	15,854	15,046	21,117		20,548	8,594	3,450	—
November	14,516	18,425	22,652		20,063	10,545	5,700	18
December	17,876	13,921	21,344		24,019	12,032	1,767	46
1978 —								
January	16,567	13,722	13,545		18,118	4,963	2,599	5
February	15,890	16,255	17,477		18,240	10,296	3,135	—
March	16,484	15,148	19,583		19,729	10,461	4,382	—
April	14,168	16,142	22,728		15,372	11,092	4,003	—
May	15,500	18,241	22,286		24,733	10,813	4,599	—
June	17,493	17,415	21,158		24,719	9,424	4,501	—
July	16,178	14,787	18,005	n.p.	26,059	4,889	2,707	—
August	17,250	18,120	20,616	n.p.	19,319	5,902	2,928	60
September	16,277	19,338	24,979	n.p.	30,234	7,661	5,491	—
October	16,124	15,888	22,464	n.p.	17,098	n.p.	3,854	n.p.
November	16,711	14,727	21,710	n.p.	17,248	n.p.	n.p.	—
1977-78 : July to Nov.	75,837	82,524	92,822	n.p.	105,989	50,492	19,812	18
1978-79 : July to Nov.	82,540	82,860	107,774	n.p.	109,958	n.p.	n.p.	n.p.

ADHESIVE TAPES

Period	Produced in establishment					Converted from rolls purchased or transferred in					Pressure sensitive reinforced (e)
	Gummed (liquid activated) (769.21,31)	Pressure sensitive (non-reinforced)				Gummed (liquid activated) (769.15)	Pressure sensitive (non-reinforced)				
		Paper (769.51)	Original manufacture				Cellulose and plastic (769.17,18)	Cloth and other (769.16,19)			
			Cellulose (769.53)	Plastic (769.54)	Other (d) (769.52,59)(769.08,09)						
					- '000 square metres -						
1975-76	1,560	9,610	6,830	6,868	192	3,241	2,740	4,279	396	756	
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	2,933	3,387	530	311	544	
1977 -											
October	n.p.	885	297		905	n.p.	262	50	37	21	
November	1,220	1,112	439		808	281	293	42	23	60	
December	555	466	568		701	n.p.	176	37	27	20	
1978 -											
January	n.p.	279	144		376	n.p.	220	18	14	30	
February	1,005	686	415		516	315	278	94	28	32	
March	762	454	479		656	n.p.	283	48	19	63	
April	673	690	543		783	273	314	37	28	53	
May	637	678	572		624	272	419	17	20	70	
June	507	741	502		792	169	414	35	24	60	
July	330	793	640	716	51	171	n.p.	33	18	53	
August	630	967	494	1,069	29	244	n.p.	35	33	44	
September	n.p.	896	437	870	46	233	169	n.p.	38	49	
October	n.p.	1,057	600	1,037	17	275	338	n.p.	27	75	
November	1,016	1,027	562	925	78	n.p.	n.p.	40	38	38	
1977-78 : July to Nov.	4,051	4,230	2,096	3,961		1,285	1,282	244	151	216	
1978-79 : July to Nov.	2,965	4,740	2,733	4,616	222	n.p.	n.p.	143	153	260	

(a) Quantities shown represent tonnes air-dried. (b) Paper exceeding 205 grammes per square metre is classified as paper board. (c) Prior to July 1978, includes code no. 352.21. (d) Includes cloth. (e) Refers 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		Shampoo (805.08)	Shaving (a) (805.10, 11.13)	Total	Solid (bar), flakes, and chips (b) (805.22,24, 46,48,58)	Powder and granule	
	Solid and powder (805.01, 03)	Liquid and paste (805.05)					Small packs (c) (805.26)	Large packs (d) (805.50)
					- tonnes -			
1975-76	26,209	722	1,012	892	28,835	12,876	7,690	1,781
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	10,862	6,075	1,835
1977 -								
October	2,030	56	104	119	2,309	1,164	312	79
November	2,650	56	114	102	2,922	929	545	210
December	1,792	44	82	91	2,013	661	659	105
1978 -								
January	746	48	110	26	930	566	190	75
February	2,603	60	151	91	2,905	909	572	135
March	2,118	56	145	119	2,438	884	508	140
April	2,294	54	134	80	2,562	834	556	188
May	2,513	57	185	52	2,807	1,083	475	156
June	2,461	50	254	55	2,820	855	594	187
July	2,709	58	198	52	3,017	1,085	554	105
August	2,972	63	174	114	3,323	999	551	166
September	2,442	67	210	83	2,802	1,036	491	98
October	2,325	60	263	71	2,719	1,101	656	210
November	2,306	64	221	92	2,683	1,147	395	111
1977-78 : July to Nov.	12,297	286	525	458	13,566	5,070	2,521	852
1978-79 : July to Nov.	12,754	312	1,066	412	14,544	5,368	2,647	690

SOAP - continued AND ABRASIVE CLEANSERS AND SCOURERS

Period	For other purposes - non-abrasive - continued						Abrasive cleansers and scourers				
	Liquid						Small packs (c)				
	Disinfectant type (e)		Non-disinfectant type		Soft (incl. paste)		Total	Granules and powder (805.38)		Large packs (d) (805.60)	
	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)		Paste (805.40)			
	- tonnes -										
1975-76	599	2,162	580	3,107	9	632	29,436	946	478	872	
1976-77	594	1,998	827	3,206	831		28,686	485	360	697	
1977-78	801	2,465	695	2,813	590		26,139	468	359	708	
1977 -											
October	45	194	86	222	39		2,141	51	27	53	
November	49	215	64	230	46		2,288	69	24	67	
December	47	184	69	213	26		1,964	37	33	56	
1978 -											
January	66	141	69	196	35		1,338	5	23	34	
February	45	192	54	252	62		2,221	44	29	66	
March	50	245	60	216	82		2,185	30	34	57	
April	103	240	35	219	67		2,242	13	31	66	
May	118	218	52	223	57		2,382	37	28	59	
June	143	187	36	230	44		2,276	51	33	50	
July	86	161	51	232	48		2,322	31	35	63	
August	107	204	41	214	61		2,343	n.p.	33	56	
September	84	188	43	241	36		2,217	n.p.	28	47	
October	n.p.	154	59	252	n.p.		2,582	34	24	63	
November	n.p.	228	36	230	n.p.		2,300	9	36	51	
1977-78 : July to Nov.	229	1,058	320	1,264	217		11,531	251	148	320	
1978-79 : July to Nov.	n.p.	935	230	1,169	n.p.		11,764	172	156	280	

(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
	Non-abrasive											
	Abrasives cleaners and scourers				For personal toilet use							
								For other purposes				
	Small packs				Liquid paste and cream			Liquid paste and cream				
	Powder and granule (806.20)	Paste and cream (806.22)	Solid (806.18)	Large packs (806.36)	Solid and powder (806.02)	Toilet (806.04)	Shampoo (806.06)	Small packs (a) (806.16)	Large packs (b) (806.34)	Other (806.10, 14,30,32)		
1975-76	10,537	—	860	—	1,572	7,112	53,520	23,132	81,686	178,586		
1976-77	9,288	—	900	—	1,391	7,557	51,347	24,276	79,450	171,209		
1977-78	10,038	—	974	—	1,646	9,017	53,060	24,952	81,911	181,598		
1977 -												
October	1,061	—	82	—	106	777	4,926	1,762	8,277	16,991		
November	993	—	102	—	146	934	4,727	2,114	7,226	16,242		
December	846	—	61	—	166	647	4,618	2,011	5,235	13,584		
1978 -												
January	164	—	45	—	118	423	2,259	1,610	2,010	6,629		
February	1,012	—	60	—	137	766	5,622	2,310	7,777	17,684		
March	559	—	65	—	139	753	4,150	2,224	5,729	13,619		
April	631	—	88	—	121	961	4,346	2,021	6,742	14,910		
May	996	—	103	—	113	897	4,309	2,181	8,018	16,617		
June	687	—	122	—	109	657	4,105	2,303	6,077	14,060		
July	527	—	73	—	121	686	4,930	2,241	7,906	16,484		
August	825	—	73	—	151	868	5,166	1,984	8,133	17,200		
September	709	—	82	—	112	672	4,667	2,085	5,561	13,888		
October	728	—	88	—	92	815	5,114	2,152	7,287	16,276		
November	1,029	—	80	—	163	1,004	5,103	2,284	8,880	18,543		
1977-78 : July to Nov.	4,634	—	430	—	743	3,913	23,651	10,292	40,323	84,495		
1978-79 : July to Nov.	3,818	—	396	—	639	4,045	24,980	10,746	37,767	82,391		

DETERGENTS - continued AND PLASTIC COATED MATERIALS (c)

Plastic coated materials											
Period	Other detergents			Total detergents	Vinyl chloride (incl. co-polymers on knitted or woven textile material)		Vinyl chloride (incl. co-polymers and poly-vinylidene chloride on paper or paperboard)		Polyethylene		Other polymers on knitted and woven textile materials (424.61)
	Alkaline (806.40)	Emulsion cleansers (806.44)	Other (incl. acid cleansers) (806.25, 42.45)		Expanded (424.30)	Other (424.32)	On paper or paperboard (excl. bitumen treated) (424.33,51)	On regenerated cellulose film (424.42)	On other substitutes (424.43-47)		
— tonnes —											
1975-76	18,952	5,310	6,963	209,644	6,209	9,320	10,240	40,754	5,299		
1976-77	21,776	6,353	7,356	209,694	5,503	8,340	n.p.	16,739	36,462	5,239	
1977-78	20,880	6,621	7,377	216,476	4,699	7,601	2,470	11,437	33,654	4,925	
1977 —											
October	1,512	580	505	19,588	282	590	190	1,044	4,153	377	
November	1,671	482	704	19,099	475	673	n.p.	1,306	3,433	474	
December	1,852	518	630	16,584	270	423	n.p.	1,453	2,021	443	
1978 —											
January	2,117	354	513	9,613	203	262	n.p.	290	981	227	
February	1,653	466	673	20,476	240	608	n.p.	755	2,352	476	
March	1,739	469	742	16,569	401	581	n.p.	1,062	3,004	361	
April	1,856	538	707	18,067	406	609	225	605	1,738	272	
May	1,814	542	619	19,592	518	870	n.p.	516	4,278	429	
June	1,654	486	597	16,797	439	641	220	836	2,190	533	
July	1,652	451	633	19,220	511	719	27	841	3,873	390	
August	1,669	492	548	19,909	490	679	n.p.	499	6,870	385	
September	1,890	524	788	17,090	441	889	n.p.	758	4,763	362	
October	1,859	536	726	19,397	392	650	n.p.	945	6,548	423	
November	1,877	635	602	21,657	473	750	n.p.	n.p.	7,742	407	
1977-78 : July to Nov.	8,196	3,248	2,896	98,834	2,221	3,607	n.p.	5,921	17,090	2,185	
1978-79 : July to Nov.	8,947	2,638	3,297	97,273	2,307	3,686	n.p.	n.p.	29,796	1,967	

(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) (423.11,15)	High density (c) (423.21,25)			

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)		
	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 -		
1975-76	9,787	60,901	70,688	5,887	13,076	18,963
1976-77	8,743	67,543	76,286	6,730	15,995	22,725
1977-78	8,356	72,667	81,023	7,028	15,264	22,293
1977 -						
October	570	5,068	5,638	532	1,320	1,852
November	786	7,667	8,453	861	1,613	2,474
December	514	5,295	5,809	441	1,230	1,670
1978 -						
January	304	4,293	4,597	211	945	1,156
February	655	6,951	7,606	478	1,222	1,700
March	690	6,379	7,070	446	1,266	1,712
April	779	5,968	6,748	439	1,130	1,569
May	946	6,604	7,550	749	1,218	1,967
June	867	6,565	7,431	491	1,225	1,716
July	748	5,991	6,739	547	1,386	1,934
August	886	7,016	7,902	579	1,687	2,266
September	844	6,847	7,691	608	1,388	1,996
October	873	6,900	7,773	605	1,466	2,071
November	1,048	6,992	8,041	622	1,765	2,387
1977-78 : July to Nov.	3,601	30,611	34,212	3,774	7,029	10,802
1978-79 : July to Nov.	4,400	33,746	38,146	2,962	7,692	10,654

(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.