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

Catalogue No. 8362.0

MARCH 1980

AUSTRALIAN BUREAU OF STATISTICS Canberra

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PRODUCTION BULLETIN NO. 6 : CHEMICALS AND BY-PRODUCTS AUSTRALIA, MARCH 1980

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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. 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 rounded to zero.

R. J. CAMERON
Australian Statistician

INDEX

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

CHEMICALS AND ACIDS

Period	Acids (in terms of 100% acid)				Chlorine (405.82)	Sodium hydroxide (100%) (caustic soda) (407.88)	Sulphate of ammonia (405.36)	Superphosphate (b)
	Hydrochloric (401.29)	Nitric (401.37)	Sulphuric Original (401.57)	Sulphuric Seas.adj.(a) (401.57)				
	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	159,513	1,799	..	106,218	131,246	217,404	3,388
1978-79	58,143	168,596	1,922	..	112,001	135,132	211,867	3,646
1979 –								
February	4,085	9,664	162	158	7,090	8,705	15,059	364
March	4,764	21,158	206	184	9,403	11,358	n.p.	390
April	5,800	7,469	195	171	11,622	13,906	n.p.	398
May	4,821	17,378	187	171	9,719	11,493	16,936	408
June	4,645	12,525	161	179	9,428	11,138	16,013	317
July	4,302	11,829	155	202	9,706	12,064	18,831	245
August	4,861	21,333	152	194	8,687	10,317	19,505	199
September	5,899	19,337	131	138	10,480	12,654	18,136	201
October	5,397	18,398	179	186	9,904	11,685	16,788	362
November	5,342	15,509	195	184	10,476	12,504	19,444	427
December	6,962	10,495	186	167	9,369	11,192	22,961	363
1980 –								
January	4,617	11,707	188	177	10,538	12,833	17,987	385
February	7,025	14,195	190	178	8,018	11,098	10,846	415
March	5,426	17,639	206	186	8,923	11,166	17,660	435
1978-79 : July to Mar.	42,877	131,224	1,379	..	81,232	98,595	n.p.	2,523
1979-80 : July to Mar.	49,831	140,442	1,582	..	86,101	105,513	162,158	3,033

PLASTICISERS AND PLASTICS AND SYNTHETIC RESINS
(Tonnes)

Period	Plasticisers (407.02-08)	Plastics and synthetic resins For moulding, extrusion, laminating, calendering, etc.					
		Phenolic (403.52)	Polyesters (403.62)	Polyethylene (403.65)	Ureas and melamines (403.82)	Other (c) (d)	Total
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	19,739	7,601	22,079	160,300	4,216	234,640	428,836
1979 –							
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
October	n.p.	934	1,395	n.p.	n.p.	23,314	34,364
November	n.p.	896	2,049	14,375	382	24,767	42,469
December	n.p.	636	1,736	15,269	259	22,210	40,110
1980 –							
January	n.p.	485	834	13,957	118	23,763	39,157
February	n.p.	1,101	1,957	17,356	420	23,565	44,399
March	n.p.	924	1,543	17,251	506	24,289	44,513
1978-79 : July to Mar.	n.p.	5,261	16,441	114,126	3,049	171,985	310,862
1979-80 : July to Mar.	n.p.	7,266	14,893	129,184	3,242	212,604	367,179

(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% P_2O_5 equivalent. (c) Includes acrylics, cellulosics, vinyls. (d) Code numbers 403.02,18,20,73,90,92,96.

PLASTICS AND SYNTHETIC RESINS – *continued*
(Tonnes)

	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 (404.48)*	*Styrenes (a) (404.62)*	*Ureas and melamines (a) (404.74)*	*Polyesters (a) (404.40)*	*Other (a) (404.94)*	*Total*
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	30,674	2,032	4,040	2,302	731	1,694	657	5,083	58,436
1979 –										
February	n.p.	2,999	148	477	236	n.p.	145	53	440	7,091
March	n.p.	1,958	189	333	200	n.p.	72	30	301	4,030
April	548	2,483	168	313	249	n.p.	110	33	392	4,355
May	1,142	3,572	192	253	254	66	175	76	430	6,160
June	859	3,325	243	299	213	64	118	79	497	5,697
July	1,083	3,193	222	483	265	64	187	103	486	6,086
August	1,019	3,216	234	510	182	65	164	59	541	5,990
September	947	3,301	252	599	253	66	159	96	513	6,186
October	937	3,827	231	539	286	n.p.	142	n.p.	580	6,688
November	1,192	3,625	246	896	224	n.p.	145	n.p.	573	7,016
December	827	2,645	182	615	258	n.p.	151	n.p.	331	5,163
1980 –										
January	656	1,958	82	299	102	n.p.	80	n.p.	359	3,607
February	1,182	3,188	240	785	200	n.p.	159	n.p.	508	6,329
March	942	3,433	224	881	253	45	180	74	489	6,521
1978-79 : July to Mar.	8,674	21,294	1,429	3,175	1,586	n.p.	1,291	n.p.	3,764	42,224
1979-80 : July to Mar.	8,785	28,386	1,913	5,607	2,023	432	1,367	693	4,380	53,586

PLASTICS AND SYNTHETIC RESINS – *continued*
(Tonnes)

	For bonding and adhesives (a)					*For other purposes (b)*			*Total for all purposes*
Period	*Phenolics (404.34)*	*Polyvinyl acetate (404.90)*	*Ureas and melamines (404.76)*	*Other (404.96)*	*Total*	*Vinyls (404.84)*	*Other (c) (d)*	*Total*	
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	1,748	50,338	3,469	76,992	80,461	618,071
1979 –									
February	502	777	3,525	109	4,913	n.p.	n.p.	8,053	51,574
March	725	837	3,055	185	4,802	n.p.	n.p.	6,213	53,933
April	537	430	2,949	98	4,014	n.p.	n.p.	8,206	57,536
May	522	451	3,012	166	4,151	n.p.	n.p.	5,603	54,730
June	661	553	3,569	180	4,963	n.p.	n.p.	7,827	56,684
July	685	831	2,905	158	4,579	n.p.	n.p.	8,474	60,679
August	621	836	2,929	171	4,557	n.p.	n.p.	8,985	62,828
September	675	695	3,218	141	4,729	n.p.	n.p.	8,871	57,117
October	853	662	2,531	242	4,288	n.p.	n.p.	11,342	56,682
November	603	755	3,180	263	4,801	n.p.	n.p.	9,779	64,065
December	386	409	2,393	141	3,329	n.p.	n.p.	3,340	51,942
1980 –									
January	406	261	1,630	64	2,361	n.p.	n.p.	9,806	54,931
February	603	433	2,687	222	3,945	n.p.	n.p.	8,358	63,031
March	598	540	3,722	191	5,051	n.p.	n.p.	5,796	61,881
1978-79 : July to Mar.	4,543	4,629	26,734	1,304	37,210	n.p.	n.p.	58,825	449,121
1979-80 : July to Mar.	5,430	5,422	25,195	1,593	37,640	n.p.	n.p.	74,751	533,156

(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 ('000 litres)

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 (410.01)	Finishing coats (c) (410.03, 05,07)	Plastic latex (410.11, 13,15)	Other water based (410.17)	(410.25)	Primers and undercoats (410.31,41)	Nitro-cellulose lacquers (410.33, 43,45)	Other (410.37, 47,49)
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	4,987	35,039
1979 –								
February	903	2,232	3,115	161	46.4	849	469	2,926
March	548	1,301	2,119	90	35.5	516	375	1,758
April	759	1,949	2,986	130	42.0	697	450	2,638
May	1,308	3,261	4,713	145	65.7	1,363	508	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	458	3,302
August	989	2,668	3,837	178	55.6	1,248	634	3,624
September	948	2,465	3,717	177	44.4	881	403	2,813
October	1,133	3,009	4,481	268	65.8	1,142	503	3,721
November	1,049	2,757	3,984	231	59.4	1,088	542	3,597
December	844	1,822	2,973	165	39.6	728	378	2,607
1980								
January	681	1,719	2,511	113	19.5	502	227	1,966
February	852	2,097	3,629	111	35.1	797	498	2,723
March	922	2,276	3,762	205	44.6	950	530	2,903
1978-79 : July to Mar.	7,858	18,757	25,847	1,258	410	7,433	3,582	24,881
1979-80 : July to Mar.	8,278	21,108	32,035	1,586	414	8,353	4,174	27,256

PAINTS ETC. – *continued* AND THINNERS ('000 litres)

Period	Wood stains (oil, spirit etc.) packed for sale or transfer out (d) (410.57)	Marine coatings (e) (410.59)	Bituminous paints not elsewhere included (f) (410.65)	Water shedding preparations (410.69)	Other paints and coatings (g) (410.55,6 7,79)	Thinners	
						For nitro-cellulose coatings (410.85)	For all other coatings (410.87)
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	1,826	1,779	737	9,810	10,236	13,338
1979 –							
February	319	210	221	87.8	834	961	1,296
March	234	94	192	115.6	543	689	844
April	322	124	139	65.8	707	851	1,141
May	394	238	191	72.6	1,194	1,271	1,622
June	280	115	135	79.2	963	751	1,028
July	321	211	118	47.8	1,201	816	1,308
August	396	136	137	50.2	1,166	891	1,544
September	325	208	93	68.5	986	873	1,146
October	432	183	169	53.0	1,056	952	1,374
November	420	182	127	50.7	1,120	1,006	1,183
December	326	132	81	44.4	875	625	976
1980							
January	250	189	115	56.7	769	553	820
February	385	228	138	80.3	1,123	865	1,043
March	350	183	96	104.8	912	837	1,245
1978-79 : July to Mar.	3,052	1,349	1,314	519	6,947	7,363	9,547
1979-80 : July to Mar.	3,205	1,652	1,075	556	9,209	7,420	10,640

(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 – MARCH 1980
(Litres)

Code No.	Item	N.S.W.	Vic.	Qld	S.A.	W.A. & Tas.	Australia
	Architectural and decorative paints, enamels and clears (a) –						
	Solvent thinned –						
410.01	Primers and undercoats	371,195	262,678	193,023	52,314	43,116	922,326
	Finishing coats, pigmented –						
410.03	Full gloss	640,004	455,996	242,756	74,467	56,524	1,469,747
410.05	Other than full gloss	247,426	178,587	53,060	40,763	26,553	546,389
410.07	Finishing coats, clears	160,119	77,954	n.p.	6,748	n.p.	260,315
	Water thinned –						
	Plastic latex –						
410.11	Primers and undercoats	73,554	50,912	66,748	9,063	14,909	215,186
	Finishing coats –						
410.13	Flat	914,941	739,399	231,678	185,941	218,427	2,290,386
410.15	Other than flat (satin, semi-gloss, gloss)	371,498	413,917	280,162	98,031	92,516	1,256,124
410.17	Other water based	74,070	9,485	n.p.	n.p.	n.p.	205,262
410.25	Tinting colours, all types, packed for sale or transfer out	25,469	7,431	n.p.	n.p.	–	44,614
	Industrial paints, enamels and clears (includes lacquers and water thinned industrial products) –						
	Automotive –						
410.31	Primers and undercoats	61,153	298,181	n.p.	n.p.	n.p.	491,190
	Finishing coats –						
410.33	Nitro-cellulose lacquers	17,875	17,590	–	–	–	35,465
410.37	Other	n.p.	478,505	n.p.	n.p.	n.p.	834,214
	Other industrial –						
410.41	Primers and undercoats	151,604	194,388	48,916	32,763	30,825	458,496
	Finishing coats –						
	Nitro-cellulose lacquers –						
410.43	Clears	231,712	65,645	n.p.	n.p.	n.p.	358,040
410.45	Colours	76,587	38,539	n.p.	n.p.	n.p.	136,741
	Other –						
410.47	Clears	274,690	266,411	n.p.	n.p.	n.p.	581,703
410.49	Colours	704,956	460,170	97,823	125,071	98,872	1,486,892
410.55	Heavy duty coatings	204,890	114,724	n.p.	n.p.	n.p.	453,327
410.57	Wood stains (oil, spirit, etc.) packed for sale or transfer out (b)	169,543	146,587	26,288	n.p.	n.p.	349,645
410.59	Marine coatings (c)	75,616	41,714	n.p.	n.p.	n.p.	183,357
410.65	Bituminous paints, not elsewhere included (d)	90,942	2,173	n.p.	n.p.	–	96,184
410.67	Decorative seamless flooring compounds	n.p.	–	–	–	n.p.	6,771
410.69	Water shedding preparations	66,130	8,135	14,798	n.p.	n.p.	104,770
410.79	Other paints and coatings not elsewhere included (excludes leather dressings)	123,285	140,114	n.p.	72,151	n.p.	451,907
	Thinners –						
410.85	For nitro-cellulose coatings	265,056	298,226	102,815	93,723	77,206	837,026
410.87	For all other coatings	552,865	317,647	196,983	131,420	46,271	1,245,186

PAPER
(Tonnes)

Period	Newsprint (351.11)	Printings (351.18)	Writings and duplicating (e) (351.25,29)	Wrapping (351.41-49)	Tissue and sanitary (351.51)	Other (f) (351.21,79)	Total
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
1979 –							
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	8,310	1,918	76,863
May	17,510	5,159	10,458	23,596	7,844	2,124	66,691
June	17,414	6,391	9,082	25,462	9,892	2,223	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
October	19,256	9,496	10,887	26,166	9,697	1,919	77,421
November	18,817	6,365	8,115	31,834	8,282	1,966	75,379
December	15,346	5,777	8,123	24,199	7,061	1,200	61,706
1980 –							
January	18,070	6,935	12,435	28,443	8,878	3,648	78,409
February	18,923	6,618	8,907	31,819	8,735	3,828	78,830
March	19,779	8,568	10,121	30,573	9,921	1,174	80,136
1978-79 : July to Mar.	155,616	65,218	76,501	242,154	73,584	17,464	630,537
1979-80 : July to Mar.	165,743	66,385	87,984	265,791	81,181	21,964	689,048

(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
(Tonnes)

Period	Wood pulp (b)			Paper boards (a)			Paper felts (353.01)
					Other		
					Uncoated		
	Chemical (341.31-37)	Mechanical (341.39)	Other (341.45)	Box and carton (352.21,23)	Box and container (352.13)	Other (352.33)	
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
1979 –							
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	15,565	17,536	22,907	10,811	21,258	4,202	n.p.
October	16,406	15,520	21,433	10,150	23,185	2,078	–
November	17,976	18,467	27,175	10,647	24,980	7,645	–
December	16,689	17,313	32,140	10,986	22,565	5,284	–
1980 –							
January	13,809	10,168	29,671	6,677	23,153	5,399	n.p.
February	17,757	23,146	25,231	8,313	27,123	4,481	–
March	16,223	19,386	23,909	9,473	24,533	4,254	–
1978-79 : July to Mar.	145,594	138,811	188,181	90,070	184,096	37,107	n.p.
1979-80 : July to Mar.	148,932	156,184	231,187	85,675	209,338	45,837	n.p.

ADHESIVE TAPES
('000 square metres)

Period	Produced in establishment					Converted from rolls purchased or transferred in				
		Pressure sensitive (non-reinforced)					Pressure sensitive (non-reinforced)			
		Original manufacture								
	Gummed (liquid activated) (769.21,31)	Paper (769.51)	Cellulose (769.53)	Plastic (769.54)	Other (c) (769.52,59)	Gummed (liquid activated) (769.08,09)	Paper (769.15)	Cellulose and plastic (769.17,18)	Cloth and other (769.16,19)	Pressure sensitive reinforced (d) (769.14,41)
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
1979 –										
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
October	808	956	510	1,113	28	252	493	66	43	73
November	n.p.	764	358	1,099	54	n.p.	371	n.p.	n.p.	n.p.
December	n.p.	526	427	964	17	n.p.	401	n.p.	n.p.	n.p.
1980 –										
January	n.p.	226	191	264	4	n.p.	225	n.p.	n.p.	n.p.
February	n.p.	728	459	702	54	n.p.	329	n.p.	n.p.	n.p.
March	n.p.	732	464	813	36	n.p.	378	n.p.	n.p.	44
1978-79 : July to Mar.	n.p.	7,473	4,585	7,285	341	1,896	2,442	n.p.	262	403
1979-80 : July to Mar.	n.p.	6,374	3,715	8,399	322	n.p.	3,524	n.p.	n.p.	422

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

SOAP
(Tonnes)

Period	For personal toilet use					For other purposes – non-abrasive		
	Toilet						Powder and granule	
	Solid and powder (805.01, 02)	Liquid and paste (805.05)	Shampoo (805.08)	Shaving (a) (805.10, 11,13)	Total	Solid (bar), flakes and chips (b) (805.22,24, 46,48,58)	Small packs (c) (805.26)	Large packs (d) (805.50)
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	28,221	741	2,105	893	31,960	10,668	5,547	1,458
1979 –								
February	2,037	50	216	93	2,396	592	442	103
March	2,507	65	239	89	2,900	696	425	142
April	2,150	52	156	45	2,403	485	n.p.	103
May	2,627	63	249	107	3,046	1,139	n.p.	169
June	2,064	78	103	33	2,278	1,009	n.p.	70
July	2,917	60	133	92	3,202	1,087	663	81
August	2,286	78	170	83	2,617	1,263	473	133
September	2,530	55	130	52	2,767	960	661	150
October	3,128	68	99	153	3,448	838	432	48
November	2,310	61	160	70	2,601	882	616	84
December	1,491	60	135	95	1,781	457	482	31
1980 –								
January	1,261	51	71	45	1,428	953	n.p.	43
February	2,149	95	144	59	2,447	746	n.p.	92
March	2,541	96	124	108	2,869	743	746	47
1978-79 : July to Mar.	21,380	548	1,597	708	24,233	7,982	3,782	1,116
1979-80 : July to Mar.	20,613	624	1,166	757	23,160	7,929	4,583	709

SOAP – *continued* AND ABRASIVE CLEANSERS AND SCOURERS
(Tonnes)

Period	For other purposes – non-abrasive – continued							Abrasive cleansers and scourers		
	Liquid							Small packs (c)		
	Disinfectant type (e)		Non-disinfectant type		Soft (incl. paste)					
	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)	Total	Granules and powder (805.38)	Paste (805.40)	Large packs (d) (805.60)
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	706
1978-79	1,192	2,145	571	2,783	709		25,073	415	365	539
1979 –										
February	n.p.	172	n.p.	218	57		1,775	n.p.	32	27
March	64	199	47	249	71		1,893	56	37	47
April	n.p.	155	60	226	77		1,872	34	27	39
May	n.p.	173	52	243	48		2,514	49	24	43
June	108	210	33	218	55		2,231	7	33	35
July	127	183	46	221	69		2,477	50	40	31
August	123	180	41	205	49		2,467	29	27	43
September	93	182	57	211	57		2,371	31	29	40
October	118	155	32	261	61		1,945	35	28	39
November	90	185	46	253	100		2,256	37	64	56
December	100	136	55	210	53		1,524	35	25	43
1980 –										
January	125	142	43	200	54		1,905	38	34	36
February	139	180	74	231	86		1,713	41	32	48
March	108	136	37	176	67		2,060	20	38	48
1978-79 : July to Mar.	n.p.	1,607	426	2,096	529		18,456	325	281	422
1979-80 : July to Mar.	1,023	1,479	431	1,968	596		18,718	316	317	384

(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
(Tonnes)

Period	Synthetic: Abrasive cleaners and scourers: Small packs: Powder and granule (806.20)	Synthetic: Abrasive cleaners and scourers: Small packs: Paste and cream (806.22)	Synthetic: Abrasive cleaners and scourers: Small packs: Solid (806.18)	Synthetic: Abrasive cleaners and scourers: Large packs (806.36)	Synthetic: Non-abrasive: For personal toilet use: Solid and powder (806.02)	Synthetic: Non-abrasive: For personal toilet use: Liquid paste and cream: Toilet (806.04)	Synthetic: Non-abrasive: For personal toilet use: Liquid paste and cream: Shampoo (806.06)	Synthetic: Non-abrasive: For other purposes: Liquid paste and cream: Small packs (a) (806.16)	Synthetic: Non-abrasive: For other purposes: Liquid paste and cream: Large packs (b) (806.34)	Synthetic: Non-abrasive: For other purposes: Other (806.10, 14,30,32)	Total
1976-77	9,288	–		900	1,391	7,557	51,347	24,112	79,450	174,045	
1977-78	10,038	–		935	1,707	9,010	53,060	24,952	81,911	181,652	
1978-79	8,634	–		1,035	1,468	9,538	54,444	28,757	80,516	184,392	
1979 –											
February	649	–		76	120	789	4,275	2,248	5,865	14,022	
March	890	–		95	159	914	4,252	3,395	6,636	16,341	
April	607	–		63	92	682	3,754	2,352	5,206	12,756	
May	927	–		119	128	844	4,750	2,758	7,994	17,520	
June	741	–		107	92	837	4,784	2,209	7,208	15,978	
July	861	–		105	130	932	6,288	2,482	9,717	20,515	
August	724	–		117	152	1,004	5,174	2,823	7,826	17,820	
September	802	–		128	154	982	4,757	2,650	6,811	16,284	
October	760	–		110	148	968	5,851	2,781	8,359	18,977	
November	655	–		91	145	772	4,525	2,636	7,424	16,248	
December	666	–		72	101	657	3,348	2,467	5,256	12,567	
1980 –											
January	571	–		73	119	702	2,927	2,150	4,425	10,967	
February	902	–		122	104	832	5,831	2,839	6,086	16,716	
March	877	–		103	130	884	6,241	3,225	9,650	21,110	
1978-79 : July to Mar.	6,359	–		746	1,156	7,175	41,156	21,438	60,108	138,138	
1979-80 : July to Mar.	6,818	–		921	1,183	7,733	44,942	24,053	65,554	151,204	

DETERGENTS – *continued* AND PLASTIC COATED MATERIALS (c)

Period	Other detergents: Alkaline (806.40)	Other detergents: Emulsion cleaners (806.44)	Other detergents: Other (incl. acid cleaners) (806.25, 42,45)	Total detergents	Plastic coated materials: Vinyl cloride (incl. co-polymers on knitted or woven textile material): Expanded (424.30)	Plastic coated materials: Vinyl cloride (incl. co-polymers on knitted or woven textile material): Other (424.32)	Plastic coated materials: Vinyl cloride (incl. co-polymers and poly-vinylidine chloride on paper or paperboard) (excl. bitumen treated) (424.33,51)	Plastic coated materials: Polyethylene: On regenerated cellulose film (424.42)	Plastic coated materials: Polyethylene: On other substitutes (424.43-47)	Plastic coated materials: Other polymers on knitted and woven textile materials (424.61)
	– tonnes –				– '000 square metres –					
1976-77	21,776	6,353	7,356	208,840	5,503	8,340	n.p.	16,739	36,462	5,239
1977-78	20,880	6,621	7,523	216,683	4,699	7,601	2,470	11,437	35,712	4,925
1978-79	21,741	6,214	7,348	219,695	4,984	7,944	1,206	7,607	77,812	4,643
1979 –										
February	1,876	434	587	16,919	437	665	n.p.	437	8,260	414
March	1,867	561	624	19,393	419	600	n.p.	1,060	7,886	406
April	1,635	462	438	15,291	259	660	n.p.	469	5,810	386
May	1,886	602	577	20,585	475	596	n.p.	540	7,290	510
June	1,840	551	516	18,885	445	859	n.p.	121	7,948	478
July	1,601	516	589	23,221	359	597	n.p.	694	9,258	405
August	1,792	661	540	20,813	518	871	n.p.	326	8,215	566
September	1,771	558	579	19,192	387	642	n.p.	486	7,994	594
October	1,703	648	801	22,129	475	612	n.p.	492	7,349	743
November	1,878	632	719	19,477	359	712	n.p.	n.p.	6,603	636
December	1,486	518	545	15,116	278	334	n.p.	n.p.	6,904	410
1980 –										
January	1,322	363	496	13,148	108	211	n.p.	n.p.	4,788	152
February	1,804	673	730	19,923	367	545	n.p.	n.p.	7,022	466
March	1,639	519	714	23,982	375	426	n.p.	n.p.	5,614	563
1978-79 : July to Mar.	16,380	4,599	5,817	164,934	3,805	5,829	n.p.	6,478	56,765	3,270
1979-80 : July to Mar.	14,996	5,088	5,713	177,001	3,226	4,950	n.p.	n.p.	63,747	4,534

(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.

28 JUL 1981

UNSUPPORTED PLASTICS FILM, FOIL AND SHEETING (a) – BY POLYMER TYPE
('000 kilograms)

Period	Vinyl chloride including co-polymers (423.02,03,06,07)	Polyethylene		Polystyrene (423.31,35)	Other (d) (423.41,45,61,65)	Total
		Low density (b) (423.11,15)	High density (c) (423.21,25)			
1976-77	15,819	59,991	1,976	8,727	14,809	101,322
1977-78	15,742	64,756	2,166	8,225	15,108	105,996
1978-79	15,932	74,063	2,743	8,575	16,080	117,393
1979 –						
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
October	1,802	7,197	338	709	1,725	11,770
November	1,983	7,253	279	722	1,928	12,165
December	1,168	6,008	283	546	1,025	9,030
1980 –						
January	809	5,148	217	444	979	7,597
February	1,375	7,504	335	636	1,317	11,167
March	1,416	7,793	339	693	1,479	11,720
1978-79 : July to Mar.	12,082	54,575	2,019	6,536	11,242	86,453
1979-80 : July to Mar.	13,682	64,038	2,723	5,879	13,105	99,428

UNSUPPORTED PLASTICS FILM, FOIL AND SHEETING (a) – BY THICKNESS
('000 kilograms)

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	
1976-77	9,055	69,486	78,541	6,764	16,017	22,781	101,322
1977-78	8,711	74,928	83,639	7,031	15,327	22,357	105,996
1978-79	9,472	83,420	92,892	6,461	18,041	24,501	117,393
1979 –							
February	758	7,206	7,963	624	1,531	2,156	10,119
March	871	7,291	8,162	660	1,675	2,335	10,497
April	736	6,415	7,150	453	1,461	1,914	9,064
May	961	8,195	9,156	559	1,637	2,196	11,352
June	675	7,823	8,498	467	1,558	2,026	10,524
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
October	1,167	8,527	9,693	635	1,442	2,077	11,770
November	1,143	8,459	9,602	840	1,723	2,563	12,165
December	771	6,887	7,658	397	975	1,372	9,030
1980 –							
January	471	5,885	6,356	337	904	1,241	7,597
February	861	8,588	9,449	514	1,204	1,718	11,167
March	891	8,937	9,828	524	1,367	1,891	11,720
1978-79 : July to Mar.	7,100	60,987	68,088	4,982	13,384	18,366	86,453
1979-80 : July to Mar.	8,534	73,848	82,382	5,148	11,898	17,046	99,428

(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.

S/T 1980