



PRODUCTION BULLETIN NO. 6 : CHEMICALS AND BY-PRODUCTS AUSTRALIA, JUNE 1985

- PHONE INQUIRIES** *for more information about these statistics*—contact Cellina Benassi on Canberra (062) 52 5558 or any of our State offices.
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- MAIL INQUIRIES** write to Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. 2616 or any of our 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 these publications 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. Further more, 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, Part 1, Introduction Summary Classification and Commodity Keys* (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 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 sulphuric acid. 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 this and other series are given in *Seasonally Adjusted Indicators, Australia* (1308.0).

Related publications

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

Production Bulletin No. 1 : Electrical Appliances, Australia (8357.0)—issued monthly

Production Bulletin No. 2 : Clothing and Footwear, Australia (8358.0)—issued monthly

Production Bulletin No. 3 : Food, Drink and Tobacco, Australia (8359.0)—issued monthly

Production Bulletin No. 4 : Textiles, Bedding and Floor Coverings, Australia (8360.0)—issued monthly

Production Bulletin No. 5 : Building Materials and Fittings, Australia (8361.0)—issued monthly

Production Bulletin No. 7 : Motor Vehicles, Motor Bodies and Trailed Vehicles, Australia (8363.0)—issued quarterly

Production Bulletin No. 8 : Miscellaneous Products, Australia (8364.0)—issued monthly

Manufacturing Commodities, Selected Principal Articles Produced, Australia, 1982-83, Preliminary (8365.0)

Manufacturing Commodities, Principal Articles Produced, Australia, 1981-82 and 1982-83 (8303.0) (\$1.80, \$2.60 incl. postage)

8. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

Symbols and other usages

- n.p. not available for separate publication (but included in totals where applicable)
- . . . not applicable
- r revised significantly since last issue

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PLASTICS FILM, SHEETING AND COATED MATERIALS

Period	Unsupported plastics film, foil and sheeting— by polymer type(a)			Plastic coated textile materials(b)
	Vinyl chloride incl. co-polymers (423.08)	Polyethylene (423.28)	Other (423.38)	Vinyl chloride (424.31)
	—tonnes—			' 000 m ²
1982-83	16,763	81,240	15,846	7,181
1983-84	13,908	90,664	17,609	7,990
1984-85	14,158	95,289	25,487	9,559
1984—				
April	958	7,445	1,348	603
May	1,435	9,329	1,313	806
June	1,142	8,111	1,701	715
July	1,145	8,378	2,190	813
August	1,392	8,210	2,548	820
September	1,075	7,612	2,235	787
October	1,093	8,358	2,615	1,245
November	1,311	8,520	2,627	799
December	1,124	6,335	1,792	789
1985—				
January	713	5,891	882	443
February	1,262	7,871	2,186	638
March	1,322	8,447	2,156	837
April	1,259	8,427	1,882	760
May	1,361	8,431	2,186	756
June	1,101	8,810	2,187	872

PLASTICS AND SYNTHETIC RESINS(c)
(tonnes)

Period	For moulding, extrusion, laminating, calendering, etc.					Total
	Phenolic (403.52)	Polyesters (403.62)	Poly- ethylene (403.65)	Poly- propylene (403.74)	Other(d)	
1982-83	6,444	19,293	200,859	103,012	197,733	527,341
1983-84	7,899	22,833	222,790	130,727	226,849	611,098
1984-85	6,985	23,715	235,222	151,435	252,160	669,517
1984—						
April	666	1,825	18,081	10,650	19,844	51,066
May	775	2,340	20,175	13,917	19,172	56,379
June	607	1,911	19,506	10,031	18,248	50,303
July	684	1,825	19,881	9,265	21,925	53,580
August	556	2,233	21,422	12,532	21,221	57,964
September	565	1,826	19,632	13,409	22,909	58,341
October	672	2,502	18,689	12,495	21,710	56,068
November	709	2,214	18,520	10,128	24,067	55,638
December	546	1,827	21,862	13,780	15,390	53,405
1985—						
January	233	1,375	19,513	12,323	12,615	46,059
February	551	2,125	18,316	12,900	19,340	53,232
March	610	1,907	19,132	12,443	21,507	55,599
April	604	1,906	18,758	12,290	23,602	57,160
May	703	2,057	22,369	18,844	26,069	70,042
June	552	1,918	17,128	11,026	21,805	52,429

(a) Rigid and flexible (includes lay flat tubing)—not profile. Includes film or sheet used in further production in the same establishment. (b) Area of completion of final coating by any method including laminating on continuous supporting materials. Includes production even if subsequently used in the same establishment for further processing. Excludes coating for adhesive purposes in the production of laminates. (c) Liquid resin or emulsion form are shown in terms of dry weight of resin content. (d) Code nos. 403.22, 73,82,90,92,94.

PLASTICS AND SYNTHETIC RESINS(a)—continued
(tonnes)

Period	For protective coatings, paints, etc.							Total
	Acrylics (404.01)	Alkyls (404.02)	Phenolics (404.32)	Polyvinyl acetate (404.88)	Resin esters (404.48)	Ureas and melamines (404.74)	Other (404.40, 62.94)	
1982-83	11,277	17,634	782	8,696	865	945	7,781	47,980
1983-84	13,076	19,748	804	9,750	1,022	1,180	6,834	52,414
1984-85	14,233	19,811	1,037	12,296	1,136	1,202	6,421	56,136
1984—								
April	1,122	1,399	59	651	152	98	490	3,971
May	1,265	2,077	89	929	101	132	634	5,227
June	1,109	1,756	104	788	110	89	505	4,461
July	1,161	1,755	83	747	86	109	563	4,504
August	1,158	1,760	74	766	86	141	691	4,676
September	1,148	1,628	79	1,347	132	117	506	4,957
October	1,419	1,792	72	1,240	72	115	560	5,270
November	1,418	2,136	73	1,037	89	97	555	5,405
December	1,116	1,423	76	1,038	128	67	388	4,236
1985—								
January	837	1,237	21	644	28	64	307	3,138
February	1,173	1,802	121	1,138	84	94	540	4,952
March	1,383	1,773	106	1,070	75	110	563	5,080
April	1,023	1,132	108	1,015	122	60	490	3,950
May	1,453	1,899	141	1,193	116	124	687	5,613
June	944	1,474	83	1,061	118	104	571	4,355

PLASTICS AND SYNTHETIC RESINS(a)—continued
(tonnes)

Period	For bonding and adhesives		
	Polyvinyl acetate (404.90)	Other (404.34, 76.96)	Total
1982-83	8,116	42,784	50,900
1983-84	9,109	50,443	59,552
1984-85	10,084	54,818	64,902
1984—			
April	560	4,123	4,683
May	919	4,942	5,861
June	1,072	5,056	6,128
July	1,127	3,976	5,103
August	1,147	4,703	5,850
September	918	5,384	6,302
October	829	4,705	5,534
November	928	4,927	5,855
December	799	2,886	3,685
1985—			
January	91	2,091	2,182
February	824	4,654	5,478
March	1,055	6,037	7,092
April	705	4,930	5,635
May	848	5,191	6,039
June	813	5,334	6,147

(a) Liquid resin or emulsion form are shown in terms of dry weight of resin content.

PAINTS AND OTHER SURFACE COATINGS(a)
('000 litres)

Period	Architectural and decorative							
	Solvent thinned				Water thinned			
	Primers and undercoats (410.01)	Finishing coats		Clears (410.07)	Primers and undercoats (410.11)	Plastic latex		Other water based (410.17)
		Pigmented				Finishing coats		
	Fall gloss (410.03)	Other (410.05)			Flat (410.13)	Other (410.15)		
1982-83	8,433	13,297	5,131	2,949	3,086	24,713	17,464	4,225
1983-84	8,270	13,691	5,304	3,057	3,590	26,785	19,712	3,823
1984-85	7,555	14,197	5,426	4,201	4,554	31,142	20,569	3,271
1984—								
April	515	951	348	248	236	1,781	1,485	252
May	640	1,343	525	206	329	2,437	1,953	351
June	508	1,012	391	234	350	2,122	1,543	276
July	498	1,033	414	406	350	1,973	1,487	513
August	538	1,013	380	488	313	2,628	1,469	329
September	578	1,006	426	319	363	2,440	1,694	236
October	719	1,208	611	336	484	2,989	1,878	404
November	598	1,434	560	524	420	3,386	2,083	377
December	644	1,260	415	244	355	2,478	1,573	236
1985—								
January	641	1,273	475	252	299	2,621	1,516	229
February	802	1,323	458	347	379	2,879	1,839	252
March	661	1,219	452	335	405	2,408	1,753	193
April	637	1,100	299	264	397	2,179	1,589	202
May	744	1,427	542	412	453	2,994	2,192	191
June	494	901	395	275	336	2,165	1,497	108

PAINTS AND OTHER SURFACE COATINGS(a)—continued
('000 litres)

Period	Automotive			Other industrial				
	Primers and undercoats (410.31)	Finishing coats		Primers and undercoats (410.41)	Finishing coats			Other (410.49)
		Nitro-cellulose lacquers (410.33)	Other (410.37)		Clears (410.43)	Colours (410.45)	Clears (410.47)	
1982-83	4,291	273	8,181	5,923	3,318	1,136	6,124	15,099
1983-84	4,374	341	8,779	6,205	3,471	1,133	6,155	18,008
1984-85	4,824	393	9,087	6,716	3,401	1,230	6,853	18,928
1984—								
April	303	30.0	757	488	258	80	451	1,424
May	562	46.6	757	613	304	82	606	1,804
June	305	28.8	674	525	294	87	523	1,488
July	478	26.8	715	543	294	90	606	1,554
August	430	37.1	705	647	312	106	727	1,791
September	430	24.3	685	523	243	108	534	1,591
October	494	30.6	1,026	593	328	129	559	1,869
November	390	37.5	838	671	364	142	728	1,689
December	315	29.6	696	565	258	87	504	1,402
1985—								
January	210	16.7	433	315	123	59	436	970
February	373	29.9	788	544	273	93	653	1,549
March	371	48.0	656	551	305	113	553	1,490
April	308	32.5	557	517	263	98	526	1,369
May	577	49.1	1,236	713	396	111	565	2,091
June	448	30.6	755	532	243	95	461	1,562

(a) Includes enamels, clears, lacquers and varnishes.

PAINTS AND OTHER SURFACE COATINGS(a)—continued
(' 000 litres)

Period	Wood stains (oil, spirit, etc.) packed for sale or transfer out(b) (410.57)	Marine coatings(c) (410.59)	Heavy duty coatings (410.55)	Thinners	
				For nitro- cellulose coatings (410.85)	For all other coatings (410.87)
1982-83	4,038	1,611	8,997	8,340	12,876
1983-84	4,083	1,372	6,487	8,301	13,112
1984-85	4,131	1,492	7,036	7,592	15,864
1984—					
April	298	83	496	665	945
May	318	150	623	728	1,304
June	233	89	462	663	1,023
July	303	101	550	605	1,209
August	357	101	575	752	1,328
September	327	122	510	541	1,307
October	339	151	619	710	1,501
November	344	106	606	705	1,398
December	349	182	569	534	988
1985—					
January	382	92	522	341	1,054
February	406	122	659	643	1,366
March	417	121	588	680	1,406
April	290	95	506	632	1,329
May	389	162	780	936	1,726
June	227	136	551	516	1,253

PAINTS AND OTHER SURFACE COATINGS(a) : STATES—JUNE 1985
(' 000 litres)

Code No.	Item	N.S.W.	Vic.	Other States	Australia
Architectural and decorative paints—					
Solvent thinned—					
410.01	Primers and undercoats	193	140	162	494
Finishing coats, pigmented—					
410.03	Full gloss	344	242	316	901
410.05	Other than full gloss	n.p.	155	n.p.	395
410.07	Finishing coats, clears	189	64	22	275
Water thinned—					
Plastic latex—					
410.11	Primers and undercoats	160	89	87	336
Finishing coats—					
410.13	Flat	1,064	570	531	2,165
410.15	Other than flat (satin, semi-gloss, gloss)	597	373	526	1,497
410.17	Other water based	n.p.	46	n.p.	108
Industrial paints—					
Automotive—					
410.31	Primers and undercoats	n.p.	333	n.p.	448
Finishing coats—					
410.33	Nitro-cellulose lacquers	n.p.	11	n.p.	31
410.37	Other	109	517	129	755
Other industrial—					
410.41	Primers and undercoats	151	251	130	532
Finishing coats—					
Nitro-cellulose lacquers—					
410.43	Clears	94	95	54	243
410.45	Colours	60	19	16	95
Other—					
410.47	Clears	233	215	14	461
410.49	Colours	698	655	210	1,562
410.55	Heavy duty coatings	211	130	210	551
410.57	Wood stains (oil, spirit, etc.) packed for sale or transfer out(b)	87	124	16	227
410.59	Marine coatings(c)	68	19	49	136
Thinners—					
410.85	For nitro-cellulose coatings	208	153	156	516
410.87	For all other coatings	542	353	357	1,253

(a) Includes: enamels, clears, lacquers and varnishes. (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.

PULP AND PAPERBOARDS
(tonnes)

ADHESIVE TAPES(c)
('000 square metres)

Period	Wood pulp(a)			Paper boards, all types(b) (352.01)	Pressure sensitive (non-reinforced)(d)	
	Chemical (341.32.36)	Mechanical (341.39)	Other (341.45)		Plastic (769.54)	Other(e) (769.51,52,53.59)
1982-83	171,468	227,557	244,439	434,788	13,002	7,312
1983-84	185,395	228,955	244,418	439,768	13,172	6,862
1984-85	n.p.	204,148	248,201	475,060	14,750	6,761
1984—						
April	17,818	20,455	21,492	37,425	932	600
May	18,678	19,789	20,605	35,841	1,523	675
June	19,550	18,044	21,162	41,161	1,621	564
July	n.p.	17,789	20,365	36,806	1,529	646
August	n.p.	17,542	21,012	47,323	864	561
September	n.p.	15,999	16,712	37,491	1,402	565
October	n.p.	17,046	21,570	41,992	1,986	824
November	n.p.	17,282	22,099	55,433	1,649	751
December	n.p.	15,738	20,053	29,231	1,397	574
1985—						
January	n.p.	14,413	21,505	32,522	221	170
February	n.p.	17,399	22,109	29,634	1,108	381
March	n.p.	17,277	18,548	41,387	1,319	540
April	n.p.	17,723	20,543	40,462	656	596
May	n.p.	18,759	22,106	41,597	1,605	597
June	n.p.	17,181	21,579	41,182	1,013	556

PAPER
(tonnes)

Period	Newsprint (351.11)	Printing (351.18)	Writing and duplicating(f) (351.25.29)	Wrapping (incl. Kraft) (351.61)	Tissue and sanitary (351.51)	Other (incl. blotting) (351.65)	Total
1983-84	378,091	131,086	90,928	333,355	125,156	22,092	1,080,708
1984-85	371,857	144,927	83,127	336,279	116,289	24,980	1,077,459
1984—							
April	31,588	10,712	6,484	29,169	11,321	2,363	91,637
May	33,811	12,520	8,141	23,085	9,712	1,906	89,175
June	30,127	12,884	7,112	33,661	10,030	1,901	95,715
July	30,660	11,167	7,468	25,088	11,380	1,756	87,519
August	28,904	11,143	7,312	30,104	9,249	2,602	89,314
September	30,444	14,076	6,224	30,880	8,529	2,781	92,934
October	29,844	12,536	7,024	24,424	11,349	1,276	86,453
November	29,819	13,383	5,450	42,860	9,687	2,634	103,833
December	30,697	10,435	6,681	19,732	8,654	2,217	78,416
1985—							
January	33,646	10,407	9,560	28,658	9,889	3,723	95,883
February	31,081	11,107	6,913	26,836	7,935	1,567	85,439
March	35,159	10,578	6,849	25,809	9,854	1,619	89,868
April	31,839	12,722	6,287	24,989	10,703	2,251	88,791
May	28,501	13,074	6,873	32,631	9,417	1,354	91,850
June	31,263	14,299	6,486	24,268	9,643	1,200	87,159

(a) Quantities shown represent tonnes air-dried. (b) Paper exceeding 205 grammes per square metre is classified as paperboard. (c) Excludes friction and surgical tapes. (d) Original production only. Excludes tape converted from rolls purchased or transferred in. (e) Includes cloth. (f) Includes cartridge.

**DETERGENTS
(tonnes)**
**SOAP
(tonnes)**

Period	Synthetic							Other than synthetic		For personal toilet use	
	Non-abrasive										
	For personal toilet use			For other purposes							
	Abrasive cleansers and scourers	Liquid paste and cream		Liquid, paste and cream		Powder and granule	Emulsion cleansers				
Small packs(a)		Shampoo	Small packs(a)	Large packs(b)							
	(806.20,22)	(806.06)	(806.04)	(806.16)	(806.34)	(806.14,32)	(806.40)	(806.44)	Solid	Shampoo	
									(805.01)	(805.08)	
1982-83	8,189	14,742	2,258	77,305	34,950	82,849	28,028	6,104	29,163	1,167	
1983-84	7,758	13,941	2,186	r73,122	r34,628	96,028	32,561	6,544	29,963	n.p.	
1984-85	8,757	14,892	2,385	68,017	38,648	93,422	32,282	7,080	26,708	n.p.	
1984—											
April	554	1,077	171	6,194	2,591	8,023	2,667	564	2,086	n.p.	
May	985	1,449	257	7,177	2,915	7,362	3,039	542	2,543	n.p.	
June	740	1,306	178	5,485	3,507	8,719	2,500	569	2,127	n.p.	
July	827	1,328	214	5,848	3,210	8,986	2,731	496	2,774	n.p.	
August	455	1,180	196	4,114	3,026	5,263	2,441	563	2,176	n.p.	
September	896	1,136	153	5,100	3,578	6,984	2,328	555	2,274	n.p.	
October	603	1,437	195	6,124	3,276	8,577	2,833	461	2,031	n.p.	
November	1,056	1,212	231	5,870	3,123	9,507	2,837	607	2,210	n.p.	
December	525	1,015	179	6,182	3,308	8,142	2,481	424	2,201	n.p.	
1985—											
January	383	1,078	203	2,841	2,405	3,604	2,386	518	694	n.p.	
February	777	1,347	212	6,251	3,425	8,502	3,058	574	2,595	n.p.	
March	961	1,282	199	6,448	3,479	8,622	2,940	885	2,668	n.p.	
April	649	1,235	176	5,930	3,530	7,721	2,819	639	2,016	n.p.	
May	1,066	1,451	222	6,797	3,250	9,373	3,022	754	2,505	n.p.	
June	559	1,191	205	6,512	3,038	8,141	2,406	604	2,544	n.p.	

CHEMICALS AND ACIDS
Acids (in terms of 100% acid)

Period	Hydrochloric (401.29)		Nitric (401.37)		Sulphuric		Ammonium sulphate (405.36)	Super-phosphate(d) (415.07; 405.25)
					Original	Seas. adj.(c)		
	—tonnes—		—tonnes—		—'000 tonnes—			
1982-83	60,186	189,371	1,782	199,786	2,986
1983-84	56,975	189,167	1,726	216,674	2,663
1984-85	60,306	196,843	1,774	242,484	2,582
1984—								
April	4,632	19,666	172	153	22,096	253		
May	4,962	15,011	170	155	19,105	299		
June	4,996	14,111	106	109	13,799	171		
July	5,250	19,944	128	155	27,097	175		
August	5,484	18,661	135	159	16,727	122		
September	4,822	15,612	98	111	18,600	90		
October	5,625	15,445	121	141	16,708	205		
November	4,880	6,122	163	158	24,884	250		
December	3,475	15,386	168	155	26,412	244		
1985—								
January	5,074	21,818	171	153	23,315	216		
February	5,314	18,423	156	157	20,270	228		
March	5,140	18,701	166	144	20,036	266		
April	4,555	11,468	155	137	15,424	283		
May	5,281	17,440	161	146	11,532	279		
June	5,406	17,823	152	158	21,479	225		

(a) Containing 3 kg or less. Excludes dairy cleansers regardless of pack size. (b) Containing over 3 kg. Includes dairy cleansers regardless of pack size. (c) See paragraph 6, Explanatory Notes. (d) Includes double and triple superphosphates and ammonium phosphate expressed in terms of single phosphate i.e. 22% P₂O₅ equivalent.