



September 1989
Production of Paper, Plastics
Paints, Industrial Chemicals
and Detergents
Australia

Catalogue No. 8362.0

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EMBARGOED UNTIL 11.30 A.M. 17 JANUARY 1990

**PRODUCTION OF PAPER, PLASTICS, PAINTS, INDUSTRIAL
CHEMICALS AND DETERGENTS, AUSTRALIA
SEPTEMBER 1989**

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Australian Statistician

AUSTRALIAN BUREAU OF STATISTICS

CATALOGUE NO. 8362.0

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TABLE 1. WOOD PULP(a)
(tonnes)

Period	Mechanical (251.20)	Other (251.70,90)	Total
1986-87	371,089	534,629	908,418
1987-88	414,297	580,192	994,489
1988-89	438,775	597,160	1,035,935
1988—			
July	38,116	48,037	86,153
August	39,491	48,540	88,031
September	38,415	56,660	95,075
October	38,331	45,695	84,026
November	36,165	48,142	84,307
December	37,037	51,659	88,696
1989—			
January	36,577	48,259	84,836
February	36,253	50,602	86,855
March	27,815	53,482	81,297
April	35,778	41,227	77,005
May	38,635	55,307	93,942
June	36,162	49,550	85,712
July	36,329	47,166	83,495
August	40,845	46,544	87,389
September	32,434	50,895	83,329
1988-89: July to Sept.	116,022	153,237	269,259
1989-90: July to Sept.	109,608	144,605	254,213

(a) Quantities shown represent tonnes air-dried.

TABLE 2. PAPER AND PAPERBOARD
(tonnes)

Period	Newsprint (641.10)	Tissue and sanitary(b) (641.65,66,67)	Other paper and paperboard in strips, rolls or sheets(a)						Total
			Parchment(c)		Embossed(d)		Graphic (642.48)	Other (641.87)	
			Grease- proof (641.80)	Other (641.81)	Corrugated paperboard (641.68)	Other (641.82)			
1986-87	386,320	133,402							
1987-88	401,066	n.p.							
1988-89	401,269	n.p.							
1988—									
July	32,912	n.p.							
August	36,526	n.p.							
September	35,915	n.p.							
October	35,855	n.p.							
November	33,526	n.p.							
December	34,711	n.p.							
1989—									
January	32,685	n.p.							
February	31,244	n.p.							
March	24,053	n.p.							
April	33,756	n.p.							
May	37,850	n.p.							
June	32,236	n.p.							
July	32,250	17,763	—	n.y.a.	n.y.a.	n.y.a.	48,115	63,531	178,906
August	33,055	17,185	—	n.y.a.	n.y.a.	n.y.a.	52,194	64,603	183,787
September	27,289	15,009	—	n.y.a.	n.y.a.	n.y.a.	62,152	77,012	195,491
1988-89: July to Sept.	105,353	n.p.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90: July to Sept.	92,594	49,957	—	n.y.a.	n.y.a.	n.y.a.	162,461	205,146	558,184

(a) Rolls or strips exceeding 15 cm wide; sheets exceeding 36 cm by 15 cm, unfolded. (b) Rolls exceeding 36 cm wide; sheets with at least one side exceeding 36 cm unfolded. (c) Includes vegetable parchment, tracing papers, glassine and other glazed, transparent or translucent papers. (d) Includes corrugated, creped, crinkled, embossed or perforated.

TABLE 3. PLASTIC TUBES, PIPES, HOSES, FILM, SHEETING AND COATED MATERIALS (tonnes)

Period	Flexible plates, sheets, foil and strip of plastic(a)					Plastic coated textile materials (657.32)	Tubes, pipes and hoses	
	Polymers of vinyl chloride (582.32)	Polymers of ethylene		Polymers of propylene (582.33)	Other (582.34)		High density polyethylene (581.82)	Rigid PVC(c) (581.22)
		Low density(b) (582.31)	High density (582.38)					
Not available prior to July 1989								
1989—								
July	r1,039	9,976	2,114	1,007	1,685	2,285	1,064	r5,062
August	r1,248	10,553	2,216	r1,171	r1,420	2,413	1,515	7,173
September	1,176	9,815	2,351	1,119	1,499	2,643	1,443	6,905
1989-90: July to Sept.	3,464	30,344	6,681	3,297	4,465	7,341	4,022	19,140

(a) Excludes self-adhesive, floor, wall and ceiling coverings, vulcanised fibre and plastic foam. Also excludes reinforced, laminated or supported with other materials.
 (b) Includes linear low density polyethylene. (c) Plasticiser content 1 per cent or less by weight of PVC. Excludes electrical conduit.

TABLE 4. PLASTICS IN PRIMARY FORMS(a)
(tonnes)

Period	Not mixed or compound(b)						Regranulated scrap			Total
	Polyethylene (571.13)	Polystyrene (572.14)	PVC (573.15)	Polypropylene (575.14)	Polyvinyl acetate (575.98)	Other (576.01)	Mixed or compound (b) (576.02)	Single thermo-plastic (576.04)	Mixtures (579.00)	
1986-87										904,108
1987-88										990,204
1988-89										986,373
1988—										
July										88,020
August										88,735
September										87,587
October										89,677
November										82,975
December										72,590
1989—										
January										76,977
February										73,146
March										71,924
April										80,868
May										88,288
June										85,586
July	14,319	n.p.	n.p.	n.p.	657	29,529	2,191	n.p.	—	76,249
August	17,807	4,198	n.p.	15,904	r833	31,891	2,804	n.p.	—	r88,950
September	20,581	4,843	n.p.	14,705	747	31,229	2,260	n.p.	—	88,916
1988-89: July to Sept.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	264,342
1989-90: July to Sept.	52,707	n.p.	n.p.	n.p.	2,237	92,649	7,255	n.p.	—	254,115

(a) Primary forms includes liquid, paste, powder, granules, flakes, blocks, irregular shapes, lumps and similar bulk forms. (b) Excludes regnanulated scrap.

TABLE 5. PAINTS AND OTHER SURFACE COATINGS
(*000 litres)

Period	Architectural and decorative paints, enamels and clears(a)							
	Solvent thinned				Water thinned			
	Finishing coats				Plastic latex			
	Primers and undercoats (533.65)	Pigmented		Clears (533.68)	Primers and undercoats (533.69)	Finishing coats		Other water based (533.73)
		Full gloss (533.66)	Other (533.67)			Flat (533.71)	Other (533.72)	
1986-87	6,515	11,656	4,805	3,720	15,309	129,047	123,656	4,129
1987-88	16,170	12,227	4,796	13,701	6,264	131,889	126,347	4,879
1988-89	6,024	11,285	4,947	3,861	16,676	35,515	31,812	5,675
1988—								
July	414	738	320	324	445	2,262	1,916	371
August	427	809	454	370	581	2,810	2,478	392
September	475	908	409	341	469	2,656	2,414	621
October	452	803	402	368	568	3,252	2,688	585
November	652	1,151	528	299	617	3,068	3,155	585
December	481	895	371	363	626	3,793	3,250	535
1989—								
January	492	829	355	242	600	3,093	2,729	402
February	471	1,019	358	305	532	3,483	2,709	517
March	623	1,245	466	294	573	3,253	2,883	498
April	433	796	365	247	483	2,791	2,619	345
May	621	1,207	499	378	626	2,770	2,910	457
June	483	886	420	328	555	2,284	2,060	365
July	437	965	361	296	532	2,639	2,474	400
August	433	861	367	314	555	2,241	2,479	547
September	577	1,099	392	365	628	3,107	3,000	654
1988-89: July to Sept.	1,315	2,455	1,182	1,035	1,496	7,728	6,809	1,384
1989-90: July to Sept.	1,447	2,925	1,120	975	1,715	7,987	7,953	1,601

TABLE 5. PAINTS AND OTHER SURFACE COATINGS—continued
(*000 litres)

Period	Industrial paints, enamels and clears(b)							
	Automotive				Other industrial			
	Finishing coats				Finishing coats			
	Primers and undercoats (533.74)	Nitro-cellulose lacquers		Primers and undercoats (533.78)	Clears (533.79)	Other		
		Nitro-cellulose lacquers (533.75)	Other (533.76)			Colours (533.81)	Clears (533.82)	Colours (533.83)
1986-87	4,422	459	4,259	7,715	3,069	1,162	17,051	20,130
1987-88	4,908	547	10,037	19,040	3,199	1,233	8,753	22,436
1988-89	5,038	575	10,991	10,292	3,522	1,156	8,583	25,640
1988—								
July	417	33	847	769	245	98	654	2,040
August	440	55	961	847	273	135	693	2,010
September	394	58	888	1,877	277	1,100	635	1,953
October	351	49	806	699	308	99	859	2,141
November	448	59	869	866	389	85	848	2,100
December	429	24	921	878	235	96	778	2,188
1989—								
January	275	23	529	610	172	49	618	1,505
February	419	61	899	841	309	76	665	2,312
March	374	57	1,185	917	324	109	731	2,333
April	424	43	790	895	292	82	690	2,264
May	535	61	1,149	1,113	403	111	799	2,358
June	533	54	1,146	980	295	115	613	2,436
July	398	54	897	882	281	81	594	2,112
August	495	40	887	842	331	71	691	2,259
September	554	52	990	1,022	348	113	712	2,424
1988-89: July to Sept.	1,251	146	2,696	2,494	795	333	1,982	6,002
1989-90: July to Sept.	1,447	146	2,774	2,746	960	265	1,997	6,795

(a) Includes all paints and coatings for use on buildings and structures. Excludes heavy duty coatings. (b) Includes lacquers and water thinned industrial products.

TABLE 5. PAINTS AND OTHER SURFACE COATINGS—continued
(*000 litres)

Period	Heavy duty coatings(a) (533.77)	Wood stains (oil, spirit, etc.) packed for sale or transfer out(b) (533.84)	Marine coatings (c) (533.85)	Thinners	
				For nitro- cellulose coatings (533.56)	For all other coatings (533.57)
1986-87	7,880	r2,807	1,820	r8,106	17,186
1987-88	9,137	r2,342	r2,076	8,751	r18,162
1988-89	10,832	2,448	2,091	8,641	18,312
1988—					
July	726	170	164	637	1,257
August	1,045	203	122	848	1,528
September	763	218	165	720	1,531
October	828	231	183	784	1,610
November	866	223	206	769	1,692
December	990	218	209	598	1,471
1989—					
January	672	171	156	545	1,184
February	947	213	r191	743	1,448
March	976	230	162	841	1,764
April	941	179	182	710	1,518
May	1,039	223	180	821	1,664
June	1,040	169	171	627	1,643
July	r983	175	165	609	1,372
August	r965	r181	141	611	r1,452
September	1,132	218	146	790	1,853
1988-89: July to Sept.	2,533	591	451	2,205	4,317
1989-90: July to Sept.	3,080	574	451	2,009	4,677

(a) Includes specially coatings specifically designed for the protection of interiors and exteriors of buildings, plant and equipment etc. (b) Includes part-pigmented, Madison and Creosote types. (c) Includes primers and undercoats, underwater compositions, boat-topping, deck paints and marine varnishes. Excludes superstructure paints which are included with architectural and decorative paints.

TABLE 6. PAINTS AND OTHER SURFACE COATINGS: STATES—SEPTEMBER 1989
(*000 litres)

Code No.	Item	NSW	Vic.	Other States	Australia
	Architectural and decorative paints, enamels and clears(a)—				
	Solvent thinned—				
533.65	Primers and undercoats	120	132	325	577
	Finishing coats, pigmented—				
533.66	Full gloss	189	255	655	1,099
533.67	Other than full gloss	70	120	202	392
533.68	Finishing coats, clears	232	103	30	365
	Water thinned—				
	Plastic latex—				
533.69	Primers and undercoats	262	167	199	628
	Finishing coats—				
533.71	Flat	1,526	561	1,019	3,107
533.72	Other than flat (satin, semi-gloss, gloss)	1,660	529	811	3,000
533.73	Other water based	410	85	159	654
	Industrial paints, enamels and clears(b)—				
	Automotive—				
533.74	Primers and undercoats	27	466	60	554
	Finishing coats—				
533.75	Nitro-cellulose lacquers	29	n.p.	n.p.	52
533.76	Other	182	774	34	990
	Other industrial—				
533.78	Primers and undercoats	565	232	225	1,022
	Finishing coats—				
	Nitro-cellulose lacquers—				
533.79	Clears	188	84	76	348
533.81	Colours	68	32	13	113
	Other—				
533.82	Clears	231	449	33	712
533.83	Colours	1,160	999	265	2,424
533.77	Heavy duty coatings(c)	189	268	675	1,132
533.84	Wood stains (oil, spirit, etc.) packed for sale or transfer out(d)		89	6	218
533.85	Marine coatings(e)	n.p.	n.p.	119	146
	Thinners—				
533.56	For nitro-cellulose coatings	277	238	274	790
533.57	For all other coatings	520	861	473	1,853

(a) Includes all paints and coatings for use on buildings and structures. Excludes heavy duty coatings.(b) Includes lacquer and water thinned industrial products.(c) Includes specially coatings specifically designed for the protection of interiors and exteriors of buildings, plant and equipment etc.(d) Includes part-pigmented, Madison and Creosote types.(e) Includes primers and undercoats, underwater compositions, boat-topping, deck paints and marine varnishes. Excludes superstructure paints which are included with architectural and decorative paints.

TABLE 7. INDUSTRIAL CHEMICALS

	Acids (in terms of 100% acid)				Other mineral or Chemical fertilizers		
	Hydrochloric; Chlorosulphuric (522.31)	Sulphuric; Oleum		Ammonium sulphate (562.13)	Superphosphate(a) (562.23,24.25)	Phosphatic (562.26)	Potassic (562.30)
		Original (522.32)	Seasonally Adjusted				
	tonnes	'000 tonnes	'000 tonnes	'000 tonnes	tonnes	tonnes	tonnes
1986-87		1,680	..	..	165,397		
1987-88		1,818	..	..	179,211		
1988-89		1,904	..	..	164,776		
1988—							
July		138	167	171	21,474		
August		150	178	168	16,537		
September		146	168	164	17,456		
October	Not available	140	156	159	10,924	Not available prior to July 1989	
November	prior to	132	133	155	10,863		
December	July 1989	191	168	154	19,887		
1989—							
January		177	154	155	9,207		
February		158	157	158	11,500		
March		178	158	160	11,707		
April		171	156	158	n.p.		
May		182	171	152	14,921		
June		140	144	143	n.p.		
July	4,951	98	120	133	13,451	115,667	n.y.a.
August	n.y.a.	105	121	124	22,242	155,698	n.y.a.
September	n.y.a.	100	118	117	14,369	126,699	n.y.a.
1988-89: July to Sept.	n.a.	434	..	..	55,467	n.a.	n.a.
1989-90: July to Sept.	n.y.a.	304	..	..	50,062	398,064	n.y.a.

(a) Double and triple superphosphates expressed in terms of single phosphate i.e. 9% P equivalent.

TABLE 8. ORGANIC SURFACE-ACTIVE AGENTS (a)
(tonnes)

Period	Anionic(b) (554.24)	Cationic(c) (554.25)	Other(d) (554.26)
Not available prior to July 1989			
1989—			
July r	2,012	748	596
August r	2,366	747	457
September	2,579	624	445
1989-90: July to Sept.	6,956	2,119	1,498

(a) Organic surface-active agents are capable of absorption at an interface and in that state display a number of physico-chemical properties responsible for surface activity (e.g. reduction of surface tension, foaming, emulsifying and wetting). Excludes soap. (b) Organic surface-active agents which ionise in aqueous solution to produce negatively charged organic ions responsible for surface activity (e.g. sulphates and sulphonates of fats, vegetable oils or resin acids). (c) Organic surface-active agents which ionise in aqueous solution to produce positively charged organic ions responsible for surface activity (e.g. salts of fatty amines). (d) Includes non-ionic and ampholytic agents.

TABLE 9. DETERGENTS AND SOAP

Period	Soaps in bars, cakes, moulded pieces or shapes for personal use(a) (554.12)	Shampoo (553.31) tonnes	Scouring preparations(b) (554.39) tonnes	Surface-active washing or cleaning preparations					
				Fabric washing		Dish washing preparations		Soaking, rinsing or bleaching preparations (554.53) tonnes	Other(d) (554.54) tonnes
				Liquid (554.28)	Other(c) (554.29)	Liquid (554.51)	Other(c) (554.52)		
				'000 litres	tonnes	'000 litres	tonnes		
1986-87	27,361								
1987-88	30,365								
1988-89	26,764								
1988—				Not available prior to July 1989					
July	2,939								
August	2,709								
September	2,320								
October	2,330								
November	1,988								
December	1,590								
1989—									
January	913								
February	2,199								
March	2,263								
April	2,228								
May	2,302								
June	2,983								
July r	2,898	1,488	823	4,990	9,256	2,081	269	1,716	3,119
August r	3,097	1,401	773	6,095	10,557	3,127	348	1,673	3,124
September	3,201	1,755	919	7,627	9,726	3,401	398	2,184	3,565
1988-89: July to Sept.	7,968	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90: July to Sept.	9,196	4,644	2,515	18,713	29,538	8,609	1,015	5,573	9,809

(a) Includes abrasive and medicated. (b) Includes abrasive soap not in bars, cakes, moulded pieces or shapes. (c) For example powders. (d) Includes surface-active preparations for use in the processing or preparation of minerals, hides and skins, paper, dyed textiles, textile fibres, pharmaceutical and cosmetic products.

EXPLANATORY NOTES

Introduction

This publication is one of a series of nine containing monthly and quarterly production statistics. The titles of the other publications of this series are shown in paragraph 5.

Classification

2. Data contained in these publications are mostly based on monthly or quarterly collections conducted by the Australian Bureau of Statistics (ABS). Most items are identified by the commodity codes used in Australian Manufacturing Production Commodity Classification (AMPCC), which was developed by the ABS to facilitate greater comparability of manufacturing production commodity statistics with import and export commodity statistics. AMPCC items were introduced into the monthly production collections (catalogues 8301.0, 8357.0 to 8363.0, 8367.0 and 8368.0) from July 1989. The last available data relating to superseded commodity items are published in the June 1989 issue. In cases where data are derived from sources other than ABS collections no commodity code is shown and the source of the data is acknowledged in a footnote.

Scope and coverage

3. Manufacturing commodity statistics collected by the ABS exclude details relating to single establishment manufacturing enterprises with fewer than four persons employed 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.

4. 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.

Related publications

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

Production Statistics, Australia, Preliminary (8301.0) — issued monthly

Production of Household Appliances and Electrical Equipment, Australia (8357.0) — issued monthly

Production of Clothing and Footwear, Australia (8358.0) — issued monthly

Production of Food, Drink, Tobacco, and Stock and Poultry Food, Australia (8359.0) — issued monthly

Production of Fibres, Yarns, Fabrics, Bedding and Floor Coverings, Australia (8360.0) — issued monthly

Production of Building Materials and Fittings, Australia (8361.0) — issued monthly

Production of Transport Equipment, Australia (8363.0) — issued quarterly

Production of Metal Products, Australia (8367.0) — issued monthly

Production of Energy Products, Australia (8368.0) — issued monthly

Manufacturing Commodities : Selected Principal Articles Produced, Australia 1986-87, Preliminary (8356.0)

Manufacturing Commodities : Principal Articles Produced, Australia 1986-87 (8303.0)

6. 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.

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