

**MANUFACTURING INDUSTRIES
1964-65**

No. 4

WHITE LEAD, PAINTS AND VARNISH

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS, CANBERRA, AUSTRALIA

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EXPLANATORY NOTES

GENERAL. The range of bulletins in this series for 1964-65 is the same as for 1963-64. A complete list of the series is shown inside the back cover. Where a number of industries are combined in one bulletin, the introductory paragraph on page 3 specifies the industries so included.

Statistics of the number of factories, persons employed, salaries and wages, value of fuel, materials, production and output etc. for 1964-65 include details for the Northern Territory and Australian Capital Territory. Prior to 1964-65 details for the Territories were excluded. Statistics of materials used and articles produced do not include details for the Territories.

CLASSIFICATION OF FACTORIES. For purposes of industry classification, factories are classified to sub-classes according to the nature of their products. Where two or more distinct types of industrial activity are carried on in one establishment, a separate return is obtained, wherever practicable, for each activity, in order to allow classification on this basis. In cases where this is not practicable, factories are classified according to predominant activity. These cases are encountered most frequently in the Metal Trades (e.g. General Engineering firms also producing Agricultural Implements or Stoves, etc.), and to a lesser degree in factories concerned with Skins, Leather, Clothing and Wood products.

Each of the summaries in the Manufacturing Industries series relates, in general, to the operations of factories classified to the industry specified. However, the statistics of articles produced represent total recorded production in all factories, irrespective of industry classification.

BASIS OF THE STATISTICS. The scope of the factory statistics is fully explained in the annual bulletin Manufacturing Industry which contains comprehensive statistics both for all factory sub-classes separately and in total. (This bulletin was previously known as Secondary Industries Bulletin, Part I.)

Briefly, a "factory" is defined as an establishment in which four or more persons are employed or where power (other than manual) is used in any manufacturing process. The figures do not include details relating to small establishments not classified for statistical purposes as factories.

All persons employed in the manufacturing activities of the factory are counted as factory employees. The figures relating to employment, therefore, include working proprietors as well as out-workers, but exclude all those engaged in selling and distribution, such as salesmen, travellers, collectors, carters engaged solely on outward delivery of manufactured goods, and retailing storemen.

The value of materials, etc. used includes the value, in the usual sense, of the materials used, stores used, containers, tools replaced and materials used in repairs to plant. In general, it does not include the value of customers' articles or materials repaired, assembled or treated by the factory.

The value of power, fuel, light, etc. used includes the cost of lubricants and water.

The value of factory output is the value of the goods manufactured or their value after passing through the particular process of manufacture and includes the amount received for repair work, work done on commission and receipts for other factory work. The basis of valuation of the output is the selling value of the goods at the factory, exclusive of all delivery costs and charges and excise duties, but inclusive of bounty and subsidy payments to the manufacturer of the finished article.

The value of production is the value added to raw materials by the process of manufacture. It is calculated by deducting from the value of factory output the value (at the factory) of the materials used, containers and packing, power, fuel and light used, tools replaced and materials used in repairs to plant (but not depreciation charges). The value of production is the source from which, in addition to wages and salaries, such items as interest, depreciation, profits, taxation, advertising and other sundry charges are met. As details of these other costs of production are not collected, the amount of profit resulting from factory operations cannot be ascertained from figures contained herein.

There are many miscellaneous expenses, such as maintenance of buildings, etc., depreciation, workers' compensation insurance, other insurances, pay-roll tax, income tax, advertising, interest on borrowed money, bad debts and many other sundry charges, which are not taken into account. Consequently it must not be inferred that, when wages and salaries are deducted from value of production, the whole of the surplus is available for profits.

ROUNDING OF FIGURES. Any discrepancies between totals and sums of components are due to rounding.

This bulletin refers in general, to factories which are classified to sub-class 0304 (White Lead, Paint and Varnish) of the Factory Classification (1945).

TABLE 1. - WHITE LEAD, PAINT AND VARNISH FACTORIES : SUMMARY

AUSTRALIA

Year	Factories	Persons Employed	Salaries and Wages Paid	Power, Fuel Light, etc. Used	Value of Materials, etc. Used	Value of Production	Value of Output
	(1)	(a)(2)	(b)(3)	(c)(4)	(d)(5)	(e)(6)	(f)(7)
	No.	No.	\$'000	\$'000	\$'000	\$'000	\$'000
1960-61	182	5,208	11,492	787	49,847	30,813	81,448
1961-62	188	5,096	11,338	809	53,525	30,934	85,267
1962-63	184	5,144	11,659	873	57,463	34,634	92,971
1963-64	184	5,356	12,845	876	62,494	36,674	100,044
1964-65	196	5,605	14,297	959	66,495	40,196	107,650

(a) Average over whole year; includes Working Proprietors. (b) Excludes amounts drawn by Working Proprietors. (c) Includes Water and Lubricating Oil. (d) Includes also Value of Containers, Packing, Etc., Replacement of Tools and Repairs to Plant. (e) Value of Production equals column (7) less total of columns (4) and (5). (f) Value at the factory of Goods Produced.

TABLE 2. - WHITE LEAD, PAINT AND VARNISH FACTORIES : SUMMARY

STATES, 1964-65

Particulars	N.S.W.	VIC.	QLD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUST.
	Number								
Factories	85	58	17	19	15	2	..	..	196
Persons Employed (a) -									
Males	2,316	1,215	247	387	(h)	(h)	..	..	4,301
Females	730	358	86	93	(h)	(h)	..	..	1,304
TOTAL	3,046	1,573	333	480	(h)	(h)	..	..	5,605
	\$'000								
Salaries and Wages Paid (b)	7,692	4,338	689	1,216	(h)	(h)	..	..	14,297
Value of -									
Power, Fuel, Light etc. Used (c)	533	313	34	60	(h)	(h)	..	..	959
Materials, etc. Used (d)	34,452	20,023	4,552	5,224	(h)	(h)	..	..	66,495
Production (e)	20,271	11,187	3,293	4,232	(h)	(h)	..	..	40,196
Output (f)	55,255	31,523	7,879	9,515	(h)	(h)	..	..	107,650
Land and Buildings (g)	9,464	7,021	748	1,506	(h)	(h)	..	..	19,495
Plant and Machinery (g)	4,773	4,850	257	851	(h)	(h)	..	..	10,957
	Horsepower								
Rated H.P. of Engines ordinarily in use	17,822	11,005	1,561	2,443	(h)	(h)	..	..	33,816

For footnotes (a) to (f) see Table 1. (g) Depreciated or book values at end of year. (h) Not available for publication.

TABLE 3. - WHITE LEAD, PAINT AND VARNISH FACTORIES
AVERAGE SALARIES AND WAGES, OUTPUT, PRODUCTION, ETC. PER EMPLOYEE

AUSTRALIA

Year	Salaries and Wages per Employee (a) \$	Value of Output per Person Engaged (b) \$	Value of Production per Person Engaged (b) \$	Ratio of Salaries and Wages to Value of Production %
1960-61	2,228	15,638	5,916	37.29
1961-62	2,250	16,732	6,070	36.65
1962-63	2,288	18,074	6,732	33.67
1963-64	2,420	18,678	6,848	35.02
1964-65	2,573	19,206	7,171	35.57

(a) Excludes Working Proprietors and amounts drawn by them. (b) Includes Working Proprietors.

TABLE 4. - WHITE LEAD, PAINT AND VARNISH FACTORIES
ACCORDING TO PERSONS EMPLOYED (a) AUSTRALIA

Number Employed in each Factory	1960-61		1961-62		1962-63		1963-64		1964-65	
	No. of Fac- tories	No. Em- ployed	No. of Fac- tories	No. Em- ployed	No. of Fac- tories	No. Em- ployed	No. of Fac- tories	No. Em- ployed	No. of Fac- tories	No. Em- ployed
Under 4	48	95	52	98	49	91	46	91	58	114
4	15	60	17	68	22	88	18	72	9	36
5 to 10	45	325	43	299	43	310	49	345	52	353
11 to 20	23	333	26	385	21	322	20	290	25	367
21 to 50	25	743	26	794	28	869	28	842	30	938
51 to 100	15	1,036	13	931	11	782	13	909	12	911
101 to 200	6	916	6	879	4	533	4	536	4	559
201 and over	5	1,732	5	1,686	6	2,153	6	2,283	6	2,333
<u>TOTAL</u>	182	5,240	188	5,140	184	5,148	184	5,368	196	5,611
Average Number Employed per Factory	29		27		28		29		29	

(a) Average number employed during the period of operation whether for the whole or only part of the year. Includes Working Proprietors.

TABLE 5. - WHITE LEAD, PAINT AND VARNISH FACTORIES
PERSONS EMPLOYED (a) ACCORDING TO OCCUPATIONAL STATUS
AUSTRALIA, 1964-65

Occupational Status	Males	Females	Persons
Working Proprietors	41	7	48
Managerial and Clerical Staff, including Salaried Managers and Working Directors	849	720	1,569
Chemists, Draftsmen and Other Laboratory and Research Staff	559	74	633
Foremen and Overseers, Workers in Factory (Skilled and Unskilled) and Other (Carters and Messengers, etc.)	2,852	503	3,355
<u>TOTAL</u>	4,301	1,304	5,605

(a) Average number employed calculated on a "whole year" basis i.e. in factories working less than the full year the average numbers are reduced to whole year equivalents.

TABLE 6. - WHITE LEAD, PAINT AND VARNISH FACTORIES
PERSONS EMPLOYED (a) ACCORDING TO OCCUPATIONAL STATUS
AUSTRALIA

Occupational Status	1960-61	1961-62	1962-63	1963-64	1964-65
MALES -					
Working Proprietors	44	50	41	42	41
Managerial and Clerical Staff including Salaried Managers and Working Directors	743	728	794	816	849
Chemists, Draftsmen and Other Laboratory and Research Staff	477	472	490	519	559
Foremen and Overseers	2,741	2,710	2,662	2,745	2,852
Workers in Factory (Skilled and Unskilled) and Other (Carters and Messengers, etc.)					
(Males	4,005	3,960	3,987	4,122	4,301
(Females	1,203	1,136	1,157	1,234	1,304
<u>TOTAL</u> (Persons	5,208	5,096	5,144	5,356	5,605

(a) See note (a) Table 5.

TABLE 7. - WHITE LEAD, PAINT AND VARNISH FACTORIES
PERSONS EMPLOYED ACCORDING TO AGE AND SEX : AUSTRALIA
 (Excluding Working Proprietors)

Last Pay Day in June	Under 16 years	16 to 20 Years	21 Years and Over	Total All Ages
MALES				
1961	12	234	3,510	3,756
1962	23	218	3,692	3,933
1963	16	264	3,708	3,988
1964	10	271	3,840	4,121
1965	6	281	4,042	4,329
FEMALES				
1961	8	168	913	1,089
1962	9	189	929	1,127
1963	9	209	939	1,157
1964	11	226	1,008	1,245
1965	9	259	1,049	1,317

TABLE 8. - WHITE LEAD, PAINT AND VARNISH FACTORIES
CLASS OF ENGINE AND RATED HORSEPOWER : AUSTRALIA

Class of Engine	Rated Horsepower of Engines					
	Ordinarily in Use			In Reserve or Idle		
	1962-63	1963-64	1964-65	1962-63	1963-64	1964-65
Steam - Reciprocating	18	18	18	8	8	18
Internal Combustion -						
Petrol or Other Light Oils	188	188	100	581	559	420
Heavy Oils	1,050	1,080	668	..	..	462
<u>Total Prime Movers</u>	1,256	1,286	786	589	567	900
Motors driven by electricity -						
Purchased	27,906	31,409	33,030	2,439	3,206	3,316
<u>Total, Electricity</u>	27,906	31,409	33,030	2,439	3,206	3,316
<u>TOTAL POWER EMPLOYED</u>	29,162	32,695	33,816	3,028	3,773	4,216

TABLE 9. - WHITE LEAD, PAINT AND VARNISH FACTORIES
POWER, FUEL, LIGHT ETC., USED : AUSTRALIA

Particulars	Unit of Quantity	Quantity			Value (\$)		
		1962-63	1963-64	1964-65	1962-63	1963-64	1964-65
Power, Fuel and Light -							
Coal - Black	ton	1,543	1,504	1,560	13,772	13,198	13,774
Brown Coal Briquettes	"	12	9	20	228	150	360
Coke	"	243	325	179	3,790	4,866	2,902
Wood	"	55	58	75	476	472	560
Fuel Oil	'000 gal.	1,295	1,374	1,415	133,670	135,496	165,366
Tar (Fuel)	ton	400	279	92	8,996	6,634	2,406
Electricity	-	(a)	(a)	(a)	513,132	507,682	541,210
Gas	-	(a)	(a)	(a)	90,382	86,132	99,544
Other (Charcoal, etc.)	-	(a)	(a)	(a)	2,762	5,152	4,966
Water and Lubricating Oil	-	(a)	(a)	(a)	105,530	115,998	127,512
<u>TOTAL</u>		(a)	(a)	(a)	872,738	875,780	958,600

(a) Value only available.

TABLE 10. - WHITE LEAD, PAINT AND VARNISH FACTORIES
VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY ETC. AUSTRALIA
 (\$'000)

Year	Book Values as at 30th June (a)		Additions and Replacements made during year		Depreciation allowed during year	
	Land and Buildings	Plant and Machinery	Land and Buildings	Plant and Machinery	Land and Buildings	Plant and Machinery
1960-61	15,472	8,354	530	1,031	184	985
1961-62	15,491	10,880	758	3,092	174	1,007
1962-63	16,800	10,785	794	1,409	217	1,176
1963-64	17,888	10,438	798	1,378	219	1,166
1964-65	19,495	10,957	1,504	1,979	237	1,329

(a) Includes estimated value of rented premises and machinery.

TABLE 11. - SELECTED MATERIALS USED IN WHITE LEAD, PAINT AND VARNISH

FACTORIES : AUSTRALIA, 1964-65

Materials Used	Commodity Code No.	Unit of Quantity	Quantity	Value \$'000
Vegetable oils - Castor	393.12	'000 lb.	1,622	321
Coconut	393.24	"	377	61
Linseed	393.48	"	11,177	2,072
Tung (incl. wood oil)	394.54	"	2,721	635
Other	393.36, 72, 76) 88, 394.90)	"	9,780	1,729
Dry colours, fillers, extenders, etc. -				
Synthetic or chemical -				
Whites - White lead	411.04	cwt.	5,676	(a)
Zinc oxide	411.06	"	36,741	549
Lithopone	411.10	"	18,108	152
Titanium oxide	411.12	"	374,687	9,471
Antimony oxide	411.14	"	1,672	70
Other whites, n.e.i.	411.20	"	82,509	511
Colours - Organic (all types)	411.22	"	8,877	1,357
Inorganic - Lead chromes	411.32	"	10,423	(a)
Chrome greens	411.34	"	1,808	(a)
Zinc chromes	411.36	"	7,110	(a)
Chromium green oxide	411.38	"	2,706	131
Red lead and litharge	411.40	"	20,192	391
Iron blues	411.42	"	864	53
Iron colours	411.44	"	21,461	234
Cadium pigments	411.46	"	263	73
Other, n.e.i.	411.60	"	6,522	190
Ground natural earths - Colours	271.02	"	19,932	138
Other	279.86	"	387,563	1,138
Black	411.62	"	8,570	205
Bitumen and pitch	436.18	"	37,542	130
Metallic powders	459.94	"	15,573	502
Plasticisers - Phthalate	407.02	"	11,676	307
Polymeric	407.04	"	219	9
Other (incl. esters of phosphoric acid, adipic acid, sebacic acid, etc.)	407.08	"	1,690	59
Resins and gums -				
Natural - Shellac	217.06	"	1,266	58
Rosin	399.26	"	28,016	444
Other	217.28	"	12,449	345
Synthetic - Alkyds	404.02	"	423,003	(a)
Epoxies	404.20	"	21,010	(a)
Phenolics (pure and modified)	404.30	"	17,805	(a)
Polyesters	404.40	"	10,328	(a)
Rosin esters	404.48	"	21,345	(a)
Silicones	404.56	"	379	60
Styrenes and co-polymers	404.60	"	20,346	(a)
Ureas and melamines	404.72	"	21,430	(a)
Polyvinyl acetate and co-polymers (cont. more than 50% P.V.A.)	404.86	"	118,192	(a)
Other	404.92	"	91,788	(a)
Solvents -				
Turpentine - Pure	399.40	'000 gals.	11	7
Mineral	408.60	"	3,025	784
Petroleum solvents	406.84	"	6,359	2,971
Methylated spirits	406.52	"	735	373
Kerosene	432.08	"	957	188
Acetates	405.04	"	1,184	1,895
Other solvents, n.e.i.	408.22	"	2,429	1,942

For footnotes see page 8.

TABLE 11. - SELECTED MATERIALS USED IN WHITE LEAD, PAINT AND VARNISH

FACTORIES : AUSTRALIA, 1964-65 - continued

Materials Used	Commodity Code No.	Unit of Quantity	Quantity	Value
		'000		\$'000
Other materials -				
Pig lead	453.02	ton	9,734	2,674
Zinc	457.02	"	1,239	428
Dryers	405.96	gals.	313,904	542
Casein	404.10	cwt.	1,520	29
Nitro-cellulose (wet weight)	406.68	"	20,453	1,044
Waxes	395.04	"	2,054	47
Glycerine	406.18	"	20,306	535
Penta-erythritol	406.80	"	15,982	356
Phthalic anhydride	406.96	"	69,702	1,303

(a) Quantity only available. NOTE. - The details in Table 11 relate to materials used only in factories classified to sub-class 0304 (White Lead, Paint and Varnish) and are not necessarily comparable with figures published in previous issues of this bulletin.

TABLE 12. - PRINCIPAL MATERIALS USED IN WHITE LEAD, PAINT AND VARNISH

FACTORIES : AUSTRALIA

Materials Used	Commodity Code No.	Unit of Quantity	1961-62	1962-63	1963-64	1964-65
Oils - Castor	393.12	'000 lb.	1,521	1,564	1,673	1,622
Coconut	393.24	"	334	415	490	377
Linseed	393.48	"	12,873	12,444	12,583	11,177
Tung (incl. wood oil)	394.54	"	2,599	2,365	2,361	2,721
Other	393.36,) 72.76,) 88) 394.90)	"	(a)	9,643	10,125	9,780
Dry colours, fillers, extenders, etc. -						
Synthetic or chemical -						
Whites - White lead	411.04	cwt.	8,826	4,928	5,356	5,676
Zinc oxide	411.06	"	43,896	43,260	42,422	36,741
Lithopone	411.10	"	18,952	21,084	19,711	18,108
Titanium oxide	411.12	"	298,600	317,608	350,287	374,687
Antimony oxide	411.14	"	1,091	1,185	1,683	1,672
Other whites n.e.i.	411.20	"	96,309	110,883	107,009	82,509
Colours - Organic (all types	411.22	"	6,016	6,724	7,961	8,877
Inorganic -						
Lead chromes	411.32	"	8,064	9,644	9,676	10,423
Chrome greens	411.34	"	1,553	1,867	2,111	1,808
Zinc chromes	411.36	"	6,057	7,444	7,326	7,110
Chromium green oxide	411.38	"	2,277	2,132	2,295	2,706
Red lead & litharge	411.40	"	18,976	20,637	20,190	20,192
Iron blues	411.42	"	756	669	777	864
Iron colours	411.44	"	16,265	21,727	22,721	21,461
Cadmium pigments	411.46	"	(a)	(a)	194	263
Other n.e.i.	411.60	"	3,246	4,583	5,052	6,522
Ground natural earths - Colours	271.02	"	17,206	17,038	17,542	19,932
Other	279.86	"	298,062	350,488	393,719	387,563
Black	411.62	"	5,625	6,068	5,551	8,570
Bitumen and pitch	436.18	"	45,243	28,711	60,725	37,542
Metallic powders	459.94	"	9,679	11,658	15,037	15,573
Plasticisers - Phthalate	407.02	"	1,227	9,235	11,573	11,676
Polymeric	407.04	"	2,777	3,510	3,260	219
Other (incl. esters of phosphoric acid, adipic acid, sebacic acid, etc.)	407.08	"	1,263	1,361	1,410	1,690

For footnotes see page 9.

TABLE 12. - PRINCIPAL MATERIALS USED IN WHITE LEAD, PAINT AND VARNISH

FACTORIES : AUSTRALIA - continued

Materials Used	Commodity Code No.	Unit of Quantity	1961-62	1962-63	1963-64	1964-65
Resins and gums -						
Natural - Shellac	217.06	cwt.	990	1,047	1,112	1,266
Rosin	399.26	"	30,733	29,694	37,989	28,016
Other	217.28	"	9,571	15,457	14,321	12,449
Synthetic - Alkyds	404.02	"	314,416	347,010	442,802	423,003
Epoxies	404.20	"	10,254	12,141	12,018	21,010
Phenolics (pure & modified)	404.30	"	15,192	15,211	16,412	17,805
Polyesters	404.40	"	5,937	5,576	6,691	10,328
Rosin esters	404.48	"	16,131	18,394	20,696	21,345
Silicones	404.56	"	191	172	285	379
Styrenes and co-polymers	404.60	"	16,970	21,775	23,686	20,346
Ureas and melamines	404.72	"	14,943	15,991	19,104	21,430
Polyvinyl acetate and co-polymers (cont. more than 50% P.V.A.)	404.86	"	70,951	75,356	93,362	118,192
Other	404.92	"	53,739	78,088	98,740	91,788
Mineral oils -						
Turpentine - Pure	399.40	gallons	8,820	6,643	7,877	10,837
Mineral	408.60	'000 gals.	2,864	3,006	3,162	3,025
Petroleum solvents	406.84	"	4,667	4,673	5,544	6,359
Methylated spirits	406.52	gallons	819,824	924,489	868,556	735,242
Kerosene	432.08	'000 gals.	1,005	937	1,039	957
Acetates	405.04	"	977	1,049	1,198	1,184
Other	408.22	\$'000	1,559	1,710	1,969	1,942
Other materials -						
Pig lead	453.02	ton	8,847	8,940	8,632	9,734
Zinc	457.02	"	1,310	1,500	1,683	1,239
Dryers	405.96	gallons	208,508	230,194	309,947	313,904
Casein	404.10	cwt.	1,625	1,298	1,642	1,520
Nitro-cellulose (wet weight)	406.68	"	16,995	19,510	20,372	20,453
Waxes	395.04	"	9,755	15,752	2,334	2,054
Glycerine	406.18	"	17,223	19,937	19,663	20,306
Penta-erythritol	406.80	"	12,634	14,839	15,465	15,982
Phthalic anhydride	406.96	"	55,540	59,124	65,032	69,702

(a) Not available. NOTE. - The details in Table 12 relate to materials used only in factories classified to sub-class 0304 (White Lead, Paints and Varnish) and are not necessarily comparable with figures published in previous issues of this bulletin.

TABLE 13. - SELECTED ARTICLES PRODUCED IN ALL FACTORIES : AUSTRALIA, 1964-65

(Note. - These details relate to production in all factories irrespective of classification).

Articles Produced	Commodity Code No.	Unit of Quantity	Quantity	Value
				\$'000
Paints (not water) and enamels, ready for use -				
Architectural and decorative -				
Primers and undercoats	412.02	'000 gals.	2,887	9,701
Finishing coats	412.04	"	5,769	24,576
Industrial (excl. nitro-cellulose finishes) -				
Primers and undercoats	412.08	"	1,894	5,792
Finishing coats	412.10	"	4,517	17,180
Bituminous paints	412.14	"	952	759
Marine -				
Primers and undercoats	412.15	"	85	219
Underwater compositions (anti-fouling)	412.16	"	76	275
Boottopping	412.17	"	23	75
Topside	412.19	"	28	92
Deck paints (excl. architectural and decorative coatings)	412.20	"	28	83
Lacquer (nitro-cellulose) -				
Clear	412.22	"	489	1,571
Colours	412.24	"	1,074	4,356
Paints (not water) - paste form	412.28	'000 lb.	2,926	(a)
Tinting colours (all types), packaged ready for sale	412.32	'000 gals.	57	384
Water Paints -				
Emulsion type -				
Plastic latex (incl. styrene - butadiene, P.V.A., acrylic etc.)	412.42	"	3,548	13,983
Alkyd resin	412.44	"	72	276
Other (incl. casein bound)	412.46	"	90	206
In Powder Form -				
Kalsomine	412.48	} '000 lb.	2,269	337
Other	412.50			
Stains (oil, spirit, varnish etc.) and clear varnishes (packaged ready for sale)	412.54	'000 gals.	899	2,767
Other paints and coatings n.e.i. (incl. flour treatment compounds, water shedding preparations and 2 pack type coatings)	412.58	"	894	3,134
Rubbing compounds	412.62	'000 lb.	817	149
Thinners -				
For cellulose lacquers	412.64	'000 gals.	3,264	4,198
For paints and varnishes	412.66	"	899	1,022
Paints and varnish removers	412.68	"	81	314
Putty -				
Window glazing	412.72	'000 cwt.	96	1,083
Other types	412.74	"	33	642
Plastic wood	412.78	lb.	(b)	(b)

(a) Quantity only available.

(b) Not available for publication.

TABLE 14. - PRINCIPAL ARTICLES PRODUCED IN ALL FACTORIES : AUSTRALIA

(NOTE. - These details relate to production in all factories irrespective of classification.)

Articles Produced	Commodity Code No.	Unit of Quantity	1961-62	1962-63	1963-64	1964-65
Paints (not water) and enamels (ready for use) -						
Architectural and decorative -						
Primers and undercoats	412.02	'000 gals.	2,679	2,559	2,776	2,887
Finishing coats	412.04	"	5,537	5,435	5,880	5,769
Industrial (excl. nitro-cellulose finishes) -						
Primers and undercoats	412.08	"	1,020	1,344	1,624	1,894
Finishing coats	412.10	"	3,178	3,606	4,050	4,517
Bituminous paints	412.14	"	744	775	942	952
Marine - Primers and undercoats	412.15	"			72	85
Underwater compositions (anti-fouling)	412.16	"	} Collected on a different basis		71	76
Boottopping	412.17	"			21	23
Topside	412.19	"			33	28
Deck paints (excl. architectural and decorative coatings)	412.20	"			22	28
Lacquers (nitro-cellulose) - Clear	412.22	"	423	436	451	489
Colours	412.24	"	886	1,007	1,074	1,074
Paints (not water) - In paste form	412.28	'000 lb.	3,160	3,008	3,191	2,926
Tinting colours, all types, packaged ready for sale	412.32	'000 gals.	54	66	65	57
Water paints -						
Emulsion type -						
Plastic latex (incl. styrene - butadiene, P.V.A., acrylic, etc.)	412.42	"	2,582	2,922	3,195	3,548
Alkyd resin	412.44	"	110	83	72	72
Other (incl. casein bound)	412.46	"	86	72	81	90
In powder form (incl. kalsomine)	412.48, 50	'000 lb.	2,540	2,228	2,423	2,269
Stains (oil, spirits, varnish, etc.) and clear varnishes, packaged ready for sale	412.54	'000 gals.	759	827	888	899
Other paints and coatings n.e.i. (incl. flour treatment compounds, water shedding preparations and 2 pack type coatings)	412.58	"	789	880	877	894
Rubbing compounds	412.62	'000 lb.	618	944	1,070	817
Thinners - For cellulose lacquers	412.64	'000 gals.	2,534	2,797	3,069	3,264
For paints and enamels	412.66	"	686	777	839	899
Paint and varnish removers	412.68	"	51	64	57	81
Putty - Window glazing	412.72	'000 cwt.	32	118	141	96
Other	412.74	"	29	36	33	33
Plastic woods	412.78	'000 lb.	58	68	(a)	(a)

(a) Not available for publication.

TABLE 15. - VALUE OF IMPORTS OF SPECIFIED ITEMS OF PIGMENTS, PAINTS AND VARNISHES

AUSTRALIA

(\$A '000. f.o.b. Port of Shipment)

Item	1960-61	1961-62	1962-63	1963-64	1964-65
Dyes, natural and synthetic	6,512	5,219	7,495	7,513	8,349
Pigments	1,900	1,882	2,305	2,405	2,827
Prepared paints	246	327	351	440	422
Whiting and paris white	114	102	144	170	179
Other	566	514	590	723	918
Varnishes, stains, lacquers, etc.	249	349	463	363	417

TABLE 16. - VALUE OF EXPORTS OF SPECIFIED ITEMS OF PIGMENTS, PAINTS AND VARNISHES

AUSTRALIA

(\$A '000 f.o.b. Port of Shipment)

Item	1960-61	1961-62	1962-63	1963-64	1964-65
Prepared paints	913	879	1,027	1,136	1,409
Pigments -					
Dyes, natural and synthetic	150	197	176	208	392
Other	474	336	583	672	460
Other paints and varnishes	451	508	579	645	576

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NOTE. - Inquiries concerning these statistics may be made in Canberra by telephoning 63.9111 Extension 2267 or, in each State Capital, by telephoning the office of the Bureau of Census and Statistics.