



1997-98

8365.0

MANUFACTURING PRODUCTION

COMMODITIES PRODUCED AUSTRALIA

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- For further information about these and related statistics, contact John Ridley on Sydney 02 9268 4541, or Client Services in any ABS office as shown on the back cover of this publication.

NOTES

ABOUT THIS PUBLICATION

This publication presents the value of sales and transfers out of commodities manufactured in Australia.

DATA AS CONTAINED IN THIS PUBLICATION

Sales and transfers values for products shown in this publication exclude values for products manufactured or assembled on commission for non-manufacturers (such as wholesalers or retailers). Values for most products are unaffected or are affected in only a minor way. However, commission manufacturing is a significant activity in some industries (see paragraphs 15 to 18 of the Explanatory Notes).

CHANGES IN THIS ISSUE

The 1997–98 Manufacturing Input-Output Commodity Classification (MIOCC) used in this issue is slightly modified from that used in the 1996–97 issue. Most changes are only descriptive but 1995–96 and 1996–97 data in this issue have been footnoted where data comparability with 1997–98 has been affected.

RELATED STATISTICS

Manufacturing industry statistics presenting structural data (such as employment, wages and salaries, turnover and industry value added) based on the Australian and New Zealand Standard Industrial Classification (ANZSIC) for Australia and each State have been released in a series of publications *Manufacturing Industry, 1997–98* (Cat. nos 8221.0 – 8221.6). The publication for New South Wales (Cat. no. 8221.1) also contains selected data for the Australian Capital Territory.

Management unit data and a wide range of manufacturing related Australian Bureau of Statistics (ABS) data, as well as data from other sources, have been released in the compendium publication *Manufacturing Australia, 1999* (Cat.no. 8225.0).

For many of the products included in this publication, corresponding imports and exports data are available. For further information about the availability of these data, please contact Client Services on Canberra 02 6252 5358, or Client Services in any other ABS office (as shown on the back cover of this publication).

Data on the quantity of commodities produced are no longer collected as part of the annual manufacturing collection, being last collected for the 1993–94 reference year. However, quantity data for a limited number of commodity items are available from ABS subannual production collections. For more information, see paragraphs 24 and 25 of the Explanatory Notes.

W. McLennan
Australian Statistician

MAIN FEATURES

OVERVIEW

In 1997–98, the total value of sales and transfers out of goods produced by manufacturing establishments was \$198,222m. This was 2.1% higher than that recorded for 1996–97 (\$194,175m) and 5.7% higher than that recorded for 1995–96 (\$187,595m).

Under the Manufacturing Input-Output Commodity Classification (MIOCC), manufactured products are now classified to 1,060 commodities. For the purposes of this publication, these commodities are grouped into nine main sections (indicated by the table headings) and 93 sub-sections (indicated by the bold headings in the tables).

Published items within the sub-sections may be single commodities or combinations of commodities which have been aggregated to enable publication.

LARGEST COMMODITY ITEMS

For the 1997–98 year, 35 published commodity items or combinations of commodity items recorded sales and transfers out values in excess of \$1,000m. Seven of these exceeded \$3,000m, with one exceeding \$5,000m. The published item with the largest value of sales and transfers out in 1997–98 was Cars, station wagons and other finished motor vehicles (with fewer than 10 persons capacity) (MIOCC codes 281111 and 281112) at \$7,684m.

TIME SERIES ANALYSIS

At the sub-section level, 57 sub-sections recorded an increase in the value of sales and transfers out of goods produced between 1995–96 and 1997–98 while 36 sub-sections recorded a decrease. Of the commodity sub-sections available for publication, the largest percentage increase in the value of sales and transfers out of goods produced between 1995–96 and 1997–98 was recorded by Services to printing (page 17) (up 78.6% from \$325.2m to \$580.6m). The commodity sub-sections to record the largest percentage decreases between 1995–96 and 1997–98 were Inks (page 21) (down 26.6% from \$324.1m to \$237.8m), Plastic bags and films (page 22) (down 23.9% from \$1,654.7m to \$1,258.6m), Men's and boys' clothing (page 12) (down 23.1% from \$1,165.6m to \$896.2m) and Infants' clothing (AS 1182 – 1980, sizes 000 to 1) (page 12) (down 23.1% from \$47.1m to \$36.3m).

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96	1996-97	1997-98
		\$m	\$m	\$m
Meat and meat products				
	Bacon and ham			
211312	Canned	n.p.	n.p.	**61.7
211313	Not canned	555.9	577.7	659.3
211181	Blood meal (milled or screened dried blood) for use as stock or poultry feed	25.6	r28.6	36.4
211121	Casings, bungs, weasands and runners (including gut materials for further processing)	67.9	r121.6	102.3
211132	Edible offals (excluding poultry offals)	172.5	r126.7	143.2
211182	Inedible meat or meat offal flours, meals and pellets; greaves	130.3	r166.5	169.9
211135	Lard, rendered	n.p.	r*6.8	*7.0
	Meat for human consumption			
	Fresh, chilled or frozen			
211113	Bovine	3 317.3	r3 077.2	3 734.6
211114	Sheep	1 036.1	r712.4	665.1
211115	Pig	225.5	r235.2	217.1
211116	Other animal	*49.0	**68.0	**201.8
	Canned, smoked, salted or dried			
	Bovine			
211171	Smoked, salted or dried	*7.5	**17.1	*24.0
211172	Canned	n.p.	r(a)67.6	n.p.
211174	Other animal (excluding pig meat)	n.p.	n.p.	n.p.
211173	Other bovine	*26.3	(a)	n.p.
211175	Edible meat flours, meals, extracts and juices	n.p.	n.p.	n.p.
211112	Meat, fresh, other than for human consumption (kangaroo or horse)	n.p.	**3.4	n.p.
	Poultry and poultry products (excluding canned)			
211211	Whole	644.5	r911.0	923.1
211212	Cut in pieces	989.4	r1 160.2	1 208.2
211213	Offal	*21.0	*40.7	25.9
	Smallgoods (e.g. crumbed lamb cutlets, salami, frankfurter, sausages, etc.)			
211323	Canned	**13.8	n.p.	**3.2
211324	Not canned	605.6	598.7	503.4
211131	Snails (excluding sea snails) and frogs' legs	—	n.p.	—
	Tallow (excluding refined)			
211140	Edible	59.7	70.0	58.6
211150	Inedible and other unrefined animal oils and fats	161.7	r168.8	156.5
211183	Other animal products, n.e.c. (excluding raw hides and skins, poultry, pig meats or smallgoods)	11.7	19.5	32.7
Milk and milk products				
212940	Butter	285.2	301.5	334.0
212930	Butter oil	134.5	111.8	135.5
212911	Buttermilk (excluding cultured) and skim milk (excluding liquid skim milk)	450.2	r614.3	643.0
212912	Calf food of processed milk products	n.p.	n.p.	n.p.
212960	Cheese and curd	1 287.5	1 685.6	1 612.2
212140	Cream (including thickened)(excluding sour cream and whey cream), not concentrated or sweetened	179.9	189.0	207.2
212920	Fats and oils derived from milk; casein	n.p.	n.p.	n.p.
212122(b)	Flavoured milk drinks (including flavoured modified and UHT)	225.1	261.7	300.9
212210	Ice cream and frozen confections	632.1	652.6	662.1
212983	Lactose or lactose syrup	9.2	n.p.	n.p.

(a) For 1996-97, value shown against item 211172 is for 211172 and 211173 combined.

(b) The description of this commodity has changed for 1997-98. For 1995-96 and 1996-97, the description was 'Flavoured whole milk drinks'.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96 \$m	1996-97 \$m	1997-98 \$m
Milk and milk products <i>continued</i>				
212121(a)	Liquid skim milk, not concentrated or sweetened (including UHT skim)			252.5
(b)	Liquid milk	1 940.8	1 850.6	227.6
212110(c)	Unpasteurised, graded, tested or chilled			1 428.5
212131(d)	Pasteurised, not concentrated or sweetened (including modified and UHT)			35.8
212982	Milk and cream, concentrated or sweetened	30.0	31.9	475.4
212971	Milk based food preparations (including malt extracts and milk based mixes)	540.0	503.2	459.3
212150	Sour cream, yoghurt and other cultured milk products	415.2	310.4	55.8
212950	Whey and whey cream	48.7	60.7	366.2
212984	Products consisting of natural milk constituents, n.e.c.	215.3	n.p.	
Fruit and vegetable products				
213005	Dried roots, tubers and vegetables	—	n.p.	n.p.
	Flour and meal			
213003	Of dried leguminous vegetables	—	—	n.p.
213002	Of potato	—	—	—
	Fruit			
213031	Dried (excluding sun-dried)	107.9	r158.9	*76.2
213033	Frozen	29.3	***3.6	*3.1
213034	Jellies, puree and paste (including apple sauce)		48.9	*85.8
213035	Fruit or fruit peel otherwise prepared or preserved (excluding dried, crystallised, drained or glace)	369.8	403.1	392.8
	Fruit juices			
213021	Single strength	274.7	257.9	*354.6
213022	Reconstituted single strength	460.2	456.3	514.1
213023	Concentrated	100.4	119.9	67.7
213004	Health, invalid or baby preparations, fruit and vegetable based	n.p.	n.p.	n.p.
213010	Jams	141.7	125.2	103.6
213071	Mixed meat and vegetables, canned	*33.8	n.p.	14.1
213073	Pasta products, canned	36.2	48.7	56.0
213053	Pickles and chutney	15.9	**15.9	***23.7
213091	Sauces (excluding worcestershire and apple); vinegar (excluding wine vinegar)	235.5	263.6	288.2
213081	Soup and homogenised food preparations including fruit, vegetables, meat or composites thereof	n.p.	165.2	175.4
213061	Tomato pulp, puree and paste	66.6	35.4	50.4
	Vegetables			
213040	Frozen	539.1	550.0	590.5
213052	Otherwise prepared or preserved (including dried or shelled)	324.2	r264.3	173.5
	Vegetable juices			
213062	Tomato	33.0	28.4	*31.6
213072	Other (including mixtures of vegetable and fruit juices)		*22.7	5.6
213001	Vegetable salads, fresh, in plastic containers	n.p.	*126.1	*44.0
Fat and oil products				
214022	Acid oils from refining animal or vegetable oils	3.8	n.p.	n.p.
214013	Cotton linters	—	—	—
214011	Crude oils from vegetable seed (including soya bean, cotton seed, peanut, sunflower, safflower, rape seed and coconut)	25.0	*9.0	15.4

(a) The description of this commodity has changed for 1997-98. For 1995-96 and 1996-97, the description was 'Liquid skim milk, not concentrated or sweetened'.

(b) The description of this heading has changed for 1997-98. For 1995-96 and 1996-97, the description was 'Liquid whole milk'.

(c) The description of this commodity has changed for 1997-98. For 1995-96 and 1996-97, the description was 'Liquid whole milk, graded, tested or chilled'.

(d) The description of this commodity has changed for 1997-98. For 1995-96 and 1996-97, the description was 'Other liquid whole milk (including pasteurised milk), not concentrated or sweetened'.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96 \$m	1996-97 \$m	1997-98 \$m
Fat and oil products <i>continued</i>				
214023	Degras; residues resulting from the treatment of fatty substances, or animal or vegetable waxes	—	—	n.p.
214030	Margarine	284.0	266.0	259.8
214012	Oil-cake and other solid residues resulting from the extraction of vegetable fats or oils; flours, meals and cakes of oil seeds (excluding mustard) or oleaginous fruits	12.3	*0.8	n.p.
214021	Refined and processed animal or vegetable oils and fats (including tallow; excluding neatsfoot, wool grease and lanolin)	n.p.	362.8	557.6
Flour and cereal products				
215233	Baking powders, prepared	101.7	n.p.	n.p.
215132	Bran, of wheat, for human consumption (excluding for breakfast food)	**24.8	*14.8	**136.2
215211	Cereal foods (including breakfast foods)	712.1	819.4	n.p.
215131	Cereal (excluding rice) groats, meals and pellets for human consumption; cereal germs	*24.2	12.4	n.p.
Flour				
215112	Wheat (excluding self-raising)	797.9	725.4	1 003.4
215220	Self-raising	32.3	20.3	15.2
215113	Other cereal flours	46.9	31.5	*40.7
215133	Flour mill products for human consumption, n.e.c.	46.9	77.7	*40.7
215150	Glucose, glucose syrup (including dextrose) and modified starches (including dextrans)	75.8	130.0	82.4
215234	Jelly crystals; custard powder	*28.0	*32.9	*18.8
215247	Mixes and doughs for preparation of bakers' wares	173.9	270.2	180.6
215250	Pasta (excluding canned)	353.5	176.4	255.9
Rice				
215241	Semi-milled or wholly milled (including broken)	n.p.	n.p.	n.p.
215242	Husked but not further prepared	—	n.p.	n.p.
215245	Groats, meals and pellets	n.p.	n.p.	—
215244	Bran, sharps and other residues	n.p.	38.2	*25.2
215140	Starches of wheat, corn, potato, manioc and other starches	177.7	153.9	n.p.
215231	Tapioca	—	n.p.	—
215160	Wheat gluten	108.1	106.1	n.p.
215246	Other worked cereal grains	n.p.	10.6	*32.7
Baked products				
216110	Bread (excluding unleavened) and bread rolls	1 283.7	1 374.6	1 057.5
216310	Biscuits and biscuit crumbs; rusks; ice cream cones, waffles and wafers; unleavened bread	824.1	681.1	990.9
216212	Cakes, pastries, crumpets and pies (excluding meat pies)	(a)591.7	703.6	862.8
216211	Meat pies	335.6	239.2	269.1
Sugar and confectionery products				
217221	Cocoa beans, roasted	—	—	—
217222	Cocoa paste, powder, butter, fat or oil	—	—	—
Confectionery				
217210	Chocolate (excluding chocolate coated biscuits and white chocolate)	767.6	901.6	867.7
217230	Other (including chewing gum, white chocolate and other confectionery not containing cocoa)	389.6	353.5	338.0
217223	Other food preparations containing cocoa	*72.0	35.8	*29.7
217241	Fruit or fruit peel, crystallised, drained or glaze	**21.0	12.1	**10.7
217242	Nuts, crystallised, drained or glaze	n.p.	—	n.p.
Sugar				
217110	Raw	2 079.0	1 867.4	1 890.6
217122	Liquid refined sugar, golden syrup and artificial honey	70.6	31.0	*86.2
217131	Icing sugar and molasses (including treacle)	118.8	84.3	73.7
217121	Refined, in solid form (including brown sugar)(excluding icing sugar)	453.3	396.6	408.7
217132	Other	*19.6	n.p.	**4.2
217133	Starch and sugar products, n.e.c.	**32.8	n.p.	n.p.

(a) For 1995-96, pies (excluding meat pies) are included in 217972 and not 216212.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96 \$m	1996-97 \$m	1997-98 \$m
Fish and marine products				
217343	Extracts and juices of fish, crustaceans, molluscs or other aquatic invertebrates (including abalone)	—	—	—
Fish				
217320	Canned	*143.7	r79.8	n.p.
217351	Frozen fish, fish fillets and fish meat	*157.5	128.6	*277.7
217352	Otherwise prepared and preserved (including fish fingers; caviar; fish loaf, cake, balls and paste; smoked fish)	82.7	120.0	119.3
Rock lobster and crayfish (including tails)				
217331	Chilled	*241.7	60.5	*50.3
217332	Frozen (including boiled and frozen)	*159.8	266.8	166.8
217346	Molluscs and other crustaceans (excluding oysters) chilled	—	**10.3	n.p.
217347	Crustaceans dried, salted or in brine	—	**0.4	—
217348	Other crustaceans frozen	n.p.	118.0	*196.5
217349	Molluscs and aquatic invertebrates (including abalone), (excluding oysters) frozen, dried, salted or in brine	**225.0	*154.9	**29.3
217350	Crustaceans, molluscs and aquatic invertebrates (including abalone), otherwise prepared (including cooked, smoked, canned, bottled, crumbed or battered)	*70.9	r*111.7	n.p.
217345	Inedible flours, meals, pellets and other products, n.e.c., of fish, crustaceans and molluscs or other aquatic invertebrates (including abalone)	**1.7	**0.1	n.p.
Animal feed products				
217431	Bran, sharps and other residues (excluding rice, wheat and rye), for animal feed	*28.3	30.8	**62.4
217433	Cereal groats, meals, pellets and other cereal products, n.e.c., other than for human consumption	*165.2	*189.1	*170.6
Dog and cat food				
217420	Canned	459.2	534.4	*489.2
217410	Other	329.1	439.0	483.7
217432	Prepared animal and bird feeds, n.e.c. (including poultry pellets, crumbles, mash and fodder)	1 267.8	1 314.3	1 466.1
Other food products				
217977	Apricot, peach or plum stones and kernels	—	—	**0.1
217972	Bakers' wares, n.e.c. (including pretzels and frozen pizzas)(excluding pies and bread)	(a)*90.5	n.p.	*145.8
217911	Coffee and tea, including substitutes	399.3	495.0	460.9
Flavouring essences				
217979	Domestic	*29.0	*30.6	*27.5
217960	Industrial	128.1	134.5	90.2
217980	Health, invalid or baby preparations (excluding those based on milk, fruit or vegetables)	n.p.	n.p.	**20.0
217934	Ice	n.p.	**10.5	*52.4
217953	Mayonnaise and salad dressing	91.9	89.7	90.4
217931	Meat pastes	*40.1	37.0	13.5
217978	Mixed condiments and seasonings	*55.4	75.3	*200.6
Refined salt				
217974	Cooking and table	n.p.	n.p.	**30.8
253541	Other	n.p.	r*36.9	n.p.
217951	Mustard	*17.8	**16.9	*15.2
217933	Nuts, roasted	*126.4	**119.8	*135.0
217976	Peanut butter and other nut butters, pastes and purees	*48.9	55.0	*62.7
217932	Potato crisps and flakes	n.p.	571.0	561.9
217971	Prepared meals (including TV dinners), containing meat or meat offal	478.5	495.0	464.3
217940	Spices	*49.4	**141.1	94.5
217952	Worcestershire sauce	*5.6	5.3	13.9
217920	Yeast and yeast extracts	*62.0	**170.8	*75.7
217981	Other food preparations	191.7	315.6	680.2

(a) For 1995-96, includes pies (excluding meat pies). For 1996-97 and 1997-98, pies (excluding meat pies) are included in 216212.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96 \$m	1996-97 \$m	1997-98 \$m
Beverages and malt				
	Beer, ale and stout			
218210	Bottled	2 401.1	1 106.6	1 164.5
218220	Canned		549.2	581.5
218230	Bulk		393.7	416.5
218240	Malt (excluding malt extract)		267.6	284.6
218320	Cider, perry, mead and wine-based mixed drinks (coolers)	97.2	r(a)81.4	(a)116.0
218141	Cordials and syrups; powder flavours for soft drinks; concentrated cordial extracts	208.3	r221.9	391.4
	Mineral waters (natural and artificial) and aerated waters			
	Sweetened or flavoured			
218120	Canned	582.7	551.9	540.9
218130	Bottled	1 009.4	977.6	977.6
218110	Other than sweetened or flavoured	33.8	46.5	n.p.
218111	Natural water, n.e.c.	36.9	90.3	126.0
218142	Sweetened or flavoured bulk premix and postmix concentrates for mineral and aerated waters; non-alcoholic beverages, n.e.c.	n.p.	r n.p.	n.p.
218330	Vinegar, from wine	1.9	*9.9	*11.6
218412	Whisky, brandy, rum, gin and fortified spirits	75.6	r74.3	96.2
	Wine			
218421	Vermouth and distillation wine	(b)29.3	n.p.	*12.9
218311	Sparkling wines and other beverage wines of fresh grapes (including fortified wines)	(b)1 668.8	2 111.6	2 498.3
218413	Other distilled alcoholic beverages (including liqueurs and spirit-based mixed drinks)	50.4	(a)	(a)
Tobacco and tobacco products				
219010	Cigarettes, cigars, cheroots and tobacco	866.8	952.6	975.5

(a) For 1996-97 and 1997-98, value shown against item 218320 is for 218320 and 218413 combined.

(b) For 1995-96, fortified wines are included in 218421 and not 218311.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96	1996-97	1997-98
		\$m	\$m	\$m
Fabrics, textiles and fibres				
Scoured wool, carbonised wool and tops				
221110	Scoured wool (degreased but not carded, combed or carbonised)	57.6	89.7	116.6
221120	Carbonised wool, not carded or combed	*303.1	277.9	269.1
221134	Wool tops			
221132	Wool grease and fatty substances derived from wool grease (including lanolin)	*2.7	6.7	15.3
221133	Noils of wool or fine animal hair	*4.7	7.2	8.5
Yarn and threads				
Sewing thread				
221222	Of artificial filament or staple fibres	—	**0.2	—
221312	Of synthetic fibres (excluding elastic or elastomeric)	n.p.	*15.9	n.p.
221214	Synthetic or man-made filament tow; synthetic staple fibres for spinning; synthetic monofilament and strip	*49.7	50.0	82.2
Yarn				
Elastomeric				
221223	Of artificial filament or staple fibres	**9.1	n.p.	**7.0
221232	Of cotton, wool, or fine animal hair (containing polyurethane or similar thread; not containing rubber thread)	n.p.	*18.1	n.p.
221213	Textured, of or predominantly of artificial fibres; high tenacity elastomeric filament tow (excluding sewing thread and multiple or cabled yarn)	**19.4	*17.8	n.p.
221212	Other than elastomeric (textured, of nylon or other polyamides)	n.p.	n.p.	n.p.
221233	Metallised	n.p.	—	—
221322	Gimped, chenille and loop-wade	—	—	—
221234	Glass fibre	n.p.	n.p.	n.p.
221224	Other synthetic or artificial filament yarn	n.p.	**0.2	n.p.
221421	Woollen or worsted yarn	119.9	111.8	115.1
221311	Yarn and thread (other than elastic or elastomeric) of natural fibres, other than wool or fine animal hair	125.6	r146.7	179.7
221231	Man-made textile staple fibres processed for spinning	n.p.	*93.0	43.8
221321	Natural textile fibres prepared for spinning, n.e.c.	n.p.	r**9.9	n.p.
Broadwoven fabrics				
Pile and chenille fabrics				
221271	Of man-made fibres	—	n.p.	n.p.
221343	Of cotton (other than narrow); terry towelling and similar woven terry fabrics	*95.2	n.p.	n.p.
Other than pile and chenille fabrics				
221240	Of artificial filaments or artificial staple fibres	*24.2	*28.3	13.3
Of synthetic filaments				
221251	Containing 85% or more synthetic filaments	35.8	39.3	53.6
221252	Containing less than 85% synthetic filaments	**60.7	12.3	*31.4
Of staple synthetic fibres				
221261	Containing 85% or more synthetic fibres	97.8	r181.6	153.0
221262	Containing less than 85% synthetic fibres	251.7	r134.7	148.2
221323	Of metal thread and metallised yarn, n.e.c.	—	n.p.	—
221332	Baby napkins of textile fabrics	n.p.	—	—
221331	Towels (including tea towels) and face washers of cotton terry towelling or similar cotton terry fabrics	98.2	108.8	119.3
221344	Tufted textile fabrics	—	—	—
Woollen, worsted or of fine animal hair (excluding elastic)				
221412	Pile and chenille	**58.2	*20.5	*56.6
221411	Other	81.6	65.9	
221345	Of glass fibre or textile materials (other than cotton)	n.p.	n.p.	n.p.
Other broadwoven fabrics				
221342	Of cotton (excluding narrow)	131.7	110.5	113.5
221351	Of natural fibres other than cotton (excluding special fibres)	n.p.	*8.9	n.p.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96 \$m	1996-97 \$m	1997-98 \$m
Fabrics, textiles and fibres <i>continued</i>				
Other textile products				
	Blankets and travelling rugs (excluding electric)			
221440	Woolen or fine animal hair	*24.1	*21.4	31.2
221273	Other	*17.1	20.0	17.0
	Blinds and awnings of textile material			
222132	Canvas and other cotton fabric	172.7	162.9	136.3
222131	Other	*82.4	202.9	128.1
223930	Curtains in the piece (including continuous), knitted or crocheted	n.p.	72.3	69.4
	Knitted or crocheted fabrics			
223912	Pile fabrics (excluding elastic or elastomeric)	*52.9	r158.0	126.5
223911	Tufted textile fabrics	n.p.	r n.p.	n.p.
223920	Other (including warp, weft, elastic or elastomeric)	412.1	r181.2	353.1
223950	Other knitted articles, n.e.c. (including bed linen and table linen from fabric knitted at the same establishment	122.4	70.5	*86.2
221281	Narrow woven textile fabrics (including tape; excluding bias binding); tyre cord fabric of high tenacity yarn	n.p.	n.p.	*17.3
222111	Quilted textile products; textile hosepiping and similar textile tubing; bias binding narrow fabrics; non-wovens (bonded fibre and yarn fabrics); textile transmission or conveyor belts and belting; textile wicks	*112.8	136.5	135.3
221274	Table linen, woven (excluding cotton)	n.p.	***3.0	n.p.
256341	Textile fabrics (excluding tyre cord) impregnated, coated, covered or laminated with plastics	n.p.	*61.5	*64.5
	Textile interior furnishing articles			
221275	Woven (excluding blinds, bedspreads, lampshades and floor coverings)	r*61.0	*8.5	*35.8
222113	Other (including table linen, n.e.c., and bed linen; excluding curtains, floor coverings and similar woven articles)		84.5	87.2
222121	Textile tarpaulins (including canvas), sails, tents, annexes, pneumatic mattresses and motor vehicle covers	182.4	*115.0	120.8
222141	Textile life jackets, life-belts, sleeping bags and other made-up textile products, n.e.c.	*29.2	*60.2	42.6
222112	Textile wall coverings	n.p.	n.p.	n.p.
222221	Underfelt and other felt products (excluding floor coverings, headwear and clothing)	n.p.	*35.1	24.4
Textile floor coverings				
Carpets and other textile floor coverings (including mats and matting)				
294902	Of coir, sisal and other hard fibres	—	—	—
222212	Of wool or fine animal hair	198.1	158.5	167.2
222214	Of nylon or other polyamides	299.3	296.5	329.7
222213	Of felt or needleloom felt (excluding underfelt)	*42.6	n.p.	*64.2
222215	Of other textile material		54.5	
Other textile products				
222952	Articles of bonded fibre or yarn fabrics (excluding labels and badges) and other made up textile articles (e.g. tapestries, parachutes)	**55.8	**39.7	*32.4
222940	Bags, sacks and packets, textile or canvas	**32.0	*23.6	*38.8
222951	Floor-cloths, dishcloths, dusters and similar cleaning cloths	**10.8	r*11.9	*13.3
	Textile labels and badges			
222910	With woven lettering or design	*93.6	*42.6	*25.7
221510	With printed lettering or design		80.8	*27.0
222957	Lace or embroidery in the piece, strips or motifs; tulles; wadding (excluding cellulose, surgical or medical); other textiles, n.e.c.	*56.2	*31.8	*54.5
222954	Powder puffs and pads	n.p.	n.p.	**9.5
222310	Rope and cable (excluding wire), cordage (excluding tyre cord yarn), twine or net products	*84.4	96.0	117.1
222920	Surgical or medical wadding, cotton wool, gauze and bandages	n.p.	*44.2	36.7

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96	1996-97	1997-98
		\$m	\$m	\$m
Other textile products <i>continued</i>				
222956	Textile braids, tassels and pompoms	n.p.	n.p.	**0.7
222222	Textile fabrics (other than rubber or plastic coated) and textile articles (other than bags) of a kind commonly used in machinery or plant	—	n.p.	n.p.
222955	Special fabrics, n.e.c.	*111.4	*136.4	55.2
Footwear				
Footwear with uppers and outer soles of rubber or plastic (including waterproof footwear; excluding thongs and sports footwear)				
225011	Men's footwear	n.p.	*26.0	*20.4
225012	Women's footwear	n.p.	*16.9	**7.9
225013	Children's footwear	n.p.	n.p.	n.p.
Footwear with uppers of leather and outer soles of rubber or plastic (excluding sports footwear)				
225021	Men's footwear	176.3	194.4	143.9
225022	Women's footwear	125.5	182.7	150.8
225023	Children's footwear	*52.5	n.p.	17.2
Footwear with uppers of leather and outer soles of leather or composition leather (excluding sports footwear)				
225041	Men's footwear	20.5	*48.0	22.8
225042	Women's footwear	*112.8	*24.4	*33.0
225043	Children's footwear	n.p.	**3.5	**3.7
225030	Sports footwear and rubber thongs	n.p.	8.1	—
225050	Footwear, n.e.c.	41.0	n.p.	*68.8
256652	Plastic heels	n.p.	n.p.	**11.2
225061	Soles of or cut from rubber or rubber composition, and other parts of footwear, n.e.c.	**12.3	44.6	52.2
Leather and leather products				
226112	Chamois leathers	—	—	—
Raw hides and skins				
226131	Pickled or otherwise preserved Other than preserved	(a)365.1	211.8	231.5
211161	Bovine	*426.7	r282.1	276.1
211162	Other animal	121.1	126.9	135.5
226211	Handbags, suitcases, bags, travel sets for personal toilet articles, purses, key cases, wallets and billfolds, vanity cases, briefcases, school satchels, spectacle cases and other personal articles n.e.c., of leather	*85.3	54.2	*51.9
Leather				
Chrome tanned (including re-tanned, dressed or finished)				
Grain (excluding upholstery, suede and lining)				
226113	Calf and yearling	} 260.5	211.5	} 28.4
226114	Other				250.8
226115	Upholstery	(a)	n.p.	n.p.
226116	Other (including suede, lining and dressed splints)	(a)	n.p.	n.p.
226111	Vegetable tanned (including re-tanned, dressed or finished)	} **23.0	r n.p.	} *31.2
226120	Other (excluding dressed or finished)			
226232	Saddlery and harness, of any material	**32.2	*13.2	*37.4
226132	Tanned or dressed skins with hair or wool retained (including sheepskin rugs)	*61.7	55.9	**35.2
226233	Leather articles (including those for technical uses), n.e.c.	**10.6	*33.4	*17.4

(a) For 1995-96, value shown against 226131 is for 226115, 226116 and 226131 combined.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96	1996-97	1997-98
		\$m	\$m	\$m
Men's and boys' clothing				
224124	Coats, blazers and jackets (excluding leather, plastic, rubber or waterproof)	62.7	*63.3	52.8
224113	Dustcoats and overalls	50.8	58.0	32.3
224145	Outer nightwear (including dressing gowns and robes)	**1.8	n.p.	*4.5
223213	Pullovers, jumpers, sweaters, cardigans, sweat shirts and sloppy joes, knitted or crocheted	64.8	67.4	*75.4
Shirts				
224140	Knitted (with collar)	**56.8	*39.2	69.8
224130	Woven (with collar)	*188.9	106.7	*9.6
224114	Industrial work shirts	*34.6	*32.8	91.0
224125	T-shirts and tank tops	*109.4	206.8	160.5
Sleepwear				
224321	Knitted	**1.9	**33.9	**2.5
224331	Woven	*5.4		*2.6
224123	Suits or uniforms, complete (including trousers for suits and uniforms)	**132.2	59.0	69.9
Swimwear				
224932	Knitted or crocheted fabric	**0.1	22.7	7.4
224933	Woven fabric	**26.7	47.0	5.8
224122	Textile fabric capes, cloaks, ensembles and breeches (excluding knitted)	—	—	***5.2
Trousers (excluding trousers for suits or uniforms) and shorts				
224112	Jeans	*100.6	r199.1	90.4
224111	Other (excluding jeans)	163.0	261.8	144.3
224336	Underwear (including spencers and singlets)	165.8	76.8	72.0
Women's and girls' clothing				
224310	Foundation garments (including brassieres, corsets and girdles)	*74.2	n.p.	97.5
224225	Outer nightwear (including dressing gowns and robes)	*23.8	n.p.	**24.5
223214	Pullovers, jumpers, sweaters, cardigans, sweat shirts and sloppy joes, knitted or crocheted	*39.1	104.1	137.9
Sleepwear				
224322	Knitted fabric	*32.6	r*26.7	*80.7
224332	Woven fabric	**46.4		*76.2
224934	Swimwear	**37.6	59.9	42.1
T-shirts and tank tops				
224216	Women's	98.9	r67.2	163.4
224217	Girls'	*5.4	*7.9	*10.3
Other shirts and blouses				
224211	Women's	**306.0	r*131.4	190.7
224212	Girls'	*5.9	14.8	**3.1
Other clothing and garments (excluding leather, plastic, rubber, waterproof or fur)				
224221	Coats, blazers and jackets, woven	*79.7	r70.1	145.3
224227	Dresses, skirts, tunics and uniforms	*288.5	r602.7	255.9
224226	Jeans and overalls	78.3	r179.8	91.0
224222	Slacks and long trousers	70.3	r*88.8	103.5
224223	Shorts	16.4	**31.9	107.3
224224	Suits and ensembles	92.0	r**49.6	*58.6
224337	Underwear (including spencers and singlets; excluding foundation garments)	216.9	100.8	132.1
Infants' clothing (AS 1182 – 1980, sizes 000 to 1)				
223215	Pullovers, jumpers, sweaters, cardigans, sweat shirts and sloppy joes, knitted or crocheted	**3.7	n.p.	**9.5
224935	Swimwear	**9.0	28.9	—
224323	Knitted clothing and garments, n.e.c.	*26.5	53.4	21.9
224333	Woven clothing and garments, n.e.c.	**7.9	***11.5	**4.9

SALES AND TRANSFERS OUT.....

<i>MIOCC code</i>	<i>Commodity description</i>	1995-96 \$m	1996-97 \$m	1997-98 \$m
Other clothing and apparel				
	Clothing, clothing accessories and other articles of fur (excluding headwear, footwear, handbags, purses and toys)			
224942	Artificial fur	—	36.7	—
224920	Sheepskin and other than artificial fur	—	—	***0.2
224945	Clothing of leather	**4.4	7.4	—
224911	Hats and other headgear (excluding safety, rubber or plastic)	*71.0	*42.5	78.2
223110	Hosiery (including pantyhose, stockings, tights and socks)	229.3	268.1	223.0
224941	Rubber clothing accessories (including belts)	—	43.6	—
224912	Safety headgear; belts for clothing (excluding plastic, leather or rubber); plastic clothing accessories (excluding belts and disposable gloves)	n.p.	*42.7	46.6
224936	Sweatsuits, tracksuits, jogging suits, leisure suits and jumpsuits, knitted	*201.6	r83.2	42.8
224151	Waterproof, plastic or rubber trousers, overalls, coats and jackets	*42.6	n.p.	*24.2
224152	Other plastic (unsupported film) clothing	**6.3	***2.8	—
224153	Wetsuits and other rubber clothing, n.e.c. (including gloves; excluding headgear)	**24.2	n.p.	10.5
224946	Other clothing and clothing accessories, n.e.c. (excluding eyewear)	*225.0	r374.5	536.3

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96 \$m	1996-97 \$m	1997-98 \$m
Sawn logs and dressed timber				
	Dressed timber and mouldings (excluding parquetry)			
231321	Of a thickness up to and including 6 mm	*38.1	r26.6	25.8
231331	Of a thickness exceeding 6 mm	801.6	r734.8	954.2
231117	Railway or tramway sleepers, wooden, impregnated	11.3	r*30.3	27.5
	Woodchips			
231220	Hardwood	400.8	r420.7	518.8
231210	Softwood	79.4	r78.3	83.7
	Undressed sawn timber (including treated) from logs sawn by the same establishment (excluding impregnated railway sleepers or resawn timber)			
231114	Hardwood	591.5	r387.5	370.6
231115	Softwood (non-pored timbers)	291.7	274.6	217.5
231311	Resawn or seasoned timber (including kiln dried) from timber already sawn by another establishment (excluding sleepers, palings and shingles)	*126.4	r170.7	122.3
231122	Shooks (not assembled into articles)	—	—	—
231116	Treated wood in the rough (excluding sawn timber, dressed or undressed)	38.9	86.2	*72.3
231121	Ground bark	**23.2	3.0	2.3
Wooden furniture and upholstered seats				
	Complete and assembled wooden or predominantly wooden furniture (excluding seating or custom made built-in furniture)			
	Domestic furniture			
292132	Dining and kitchen tables, buffets, sideboards and wall units	*230.9	311.4	152.4
292133	Kitchen (excluding tables)	**260.3	479.2	511.0
292134	Bedroom	**404.4	*236.5	234.8
292135	Other	*142.1	*246.0	271.0
292143(a)	Office furniture	**270.8	219.6	..
292144(b)	Other non-domestic furniture	*241.1	r*217.0	..
	Complete and assembled wooden or predominantly wooden furniture (excluding custom made built-in furniture)			
	Non-domestic furniture			
292145(a)	Office furniture (including seating)	..	..	248.0
292146(b)	Other furniture (including seating)	..	..	118.9
	Complete and assembled domestic lounges and chairs (excluding bean bags, infant car seats or footstools)			
292111	Lounges (including ottomans, sofa beds, divans)	**327.0	*302.8	467.0
292112	Dining and kitchen chairs	**36.5	**116.6	*146.9
292113	Outdoor (e.g. verandah and patio seating)	**30.4	**30.2	**4.6
292114	Other	**24.2	**0.5	*33.2
292151	Unassembled or partly assembled wooden furniture or shelving, and parts	**35.6	**156.1	*113.3
Other wood products				
232232	Cellular wood panels	—	r**18.9	—
232231	Densified wood (in blocks, plates, strips or profile shapes)	n.p.	n.p.	n.p.
232220	Fibreboard (excluding fibre paperboard and particle board)	216.8	r258.3	221.5
232944	Moulding boxes and patterns; mould bases; moulds for metal (excluding ingot moulds), metal carbides, glass, mineral materials, rubber or plastics	**0.5	*94.7	**17.8

(a) The MIOCC code 292143 (1995-96 and 1996-97) has changed to 292145 from 1997-98. For 1995-96 and 1996-97, 'Office furniture' (292143) excludes seating whereas for 1997-98 'Office furniture (including seating)' (292145) includes seating.

(b) The MIOCC code 292144 (1995-96 and 1996-97) has changed to 292146 from 1997-98. For 1995-96 and 1996-97, 'Other non-domestic furniture' (292144) excludes seating whereas for 1997-98 'Other furniture (including seating)' (292146) includes seating.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96 \$m	1996-97 \$m	1997-98 \$m
Other wood products <i>continued</i>				
Particle board and similar board of woody materials				
Laminated				
Decorated melamine or DAP laminates				
232243	Simply bonded by means of an adhesive	340.4	r371.0	422.9
232244	Other		104.1	
232245	Other (e.g. laminated with vinyl, metal foil, etc.; excluding boards veneered with timber)	**57.9	r*18.7	52.1
232246	Not laminated	62.8	r84.0	80.0
232242	Other boards manufactured from wood, n.e.c.	n.p.	r*25.7	n.p.
232911	Parquetry strips, etc., assembled into panels; shingles and shakes	n.p.	62.5	**13.4
232120	Plywood (including veneered panels and similar laminated wood exceeding 6 mm thickness)	131.0	r154.6	143.7
232945	Smoking pipes and cigar or cigarette holders (including parts); roughly shaped blocks of wood for the manufacture of smoking pipes	—	—	—
232110	Veneer sheets	*41.9	r63.1	*81.8
Wooden doors				
274931	Fire doors	**98.4	*24.5	*19.4
232310	Other	208.5	r231.2	278.6
232320	Wooden roof trusses	*420.0	*184.8	*251.0
232332	Wooden wall frames	*349.0	*89.4	*136.2
232333	Wooden window frames	165.8	*92.8	180.9
232340	Builders' joinery and carpentry, n.e.c.	790.9	1 187.2	1 316.0
232920	Wooden pallets, cases, boxes, crates, drums (including cable-drums), casks, barrels, vats and tubs	*209.3	r223.3	213.3
232930	Wooden frames (including frames for paintings, photographs and mirrors)	**133.0	r*54.4	*152.6
232942	Wood wool and wood flour	n.p.	*0.3	—
232943	Other boards, blocks and similar articles of vegetable fibre, straw or wood waste agglomerated with mineral binders (excluding boards manufactured from wood)	—	*5.2	—
232941	Other products of wood, n.e.c.; articles of cork, plaiting materials and straw (including wooden tools, tool bodies, tool handles, boot or shoe lasts and trees); natural or agglomerated cork articles (excluding gaskets for motor vehicles)	*138.0	183.4	*98.2
Pulp, paper and paper products				
233931	Festival, carnival or other entertainment articles of paper (including conjuring tricks, novelty jokes and Christmas tree decorations; excluding board games)	—	r*32.4	—
Paper				
233160	Copying paper (excluding carbon paper), duplicating stencils and offset plates of paper			
233120	Newsprint			
233140	Paper stock (including toilet paper stock, facial tissue stock and similar paper stock used for household or sanitary purposes)	792.2	r758.2	755.9
233912	Facial tissues	94.8	129.7	137.8
233915	Paper towels (excluding sanitary) and serviettes	69.1	77.0	98.3
233911	Toilet paper cut to size, in sheets or in perforated rolls	288.1	333.2	380.4
233914	Other paper for household or sanitary purposes	38.2	59.8	68.1
Other paper and paperboard (excluding tarred, bituminised or asphalted)				
233171	Coated, impregnated, covered, surface-coloured, surface-decorated or printed			453.7
233181	Uncoated, corrugated, crinkled, embossed, glazed, transparent or translucent (including writing, printing and graphic)(excluding tissue stock); filter paper or paperboard; paper pulp filter blocks, slabs and plates; composite paper and paperboard, not surface-coated or impregnated	1 564.4	r1 235.9	n.p.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96	1996-97	1997-98
		\$m	\$m	\$m
Pulp, paper and paper products <i>continued</i>				
	Paperboard containers			
233310	Corrugated	1 656.9	r1 425.0	1 429.1
233210	Solid paperboard containers, sacks and bags	437.6	r520.8	481.0
233410	Other paper sacks, bags, cartons and boxes (including paper multiwall bags; excluding cones)	235.7	r273.8	333.4
233921	Paper and paperboard trays, dishes, plates and cups, cones, egg containers of paper, fruit wrapping pads, record sleeves, box files and similar articles	*80.5	r83.0	78.7
256321	Plastic-coated paper and paperboard in rolls or sheets; pressure sensitive, gummed or adhesive paper or paperboard	***0.8	**0.1	**4.5
233932	Other paper, paper pulp or paperboard products (including wallpaper and liquid-activated gummed or adhesive paper)	*207.7	r145.1	135.8
233112	Residual lyes from wood pulp (excluding tall oil)	—	—	—
	Wood pulp			
233114	Chemical	n.p.	n.p.	n.p.
233115	Semi-chemical	—	—	—
233113	Mechanical	—	n.p.	—

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96 \$m	1996-97 \$m	1997-98 \$m
Printed material and stationery (excluding commission printing)				
241145	Board games	n.p.	—	**1.3
241110	Envelopes	r170.8	r163.0	213.3
241143	Exercise books, writing pads, register account books, loose leaf refills, diaries, notepads, albums, file and book covers and other stationery	*216.2	r227.5	252.9
241141	Letter cards, plain postcards and correspondence cards (excluding printed or illustrated); boxes, parcels, wallets and writing compendiums of paper or paperboard	*99.5	r*76.5	*109.2
241142	Printed or illustrated postcards; printed cards bearing personal greetings or messages	126.3	r140.5	168.1
241130	Printed or imprinted paper or paperboard labels	r599.4	r676.2	595.0
241219	Security printed material (including stamps, cheque books, banknotes, share documents and airline tickets)	135.0	r203.6	254.9
Services to printing				
241311	Prepared printing plates, blocks and cylinders used to produce printed material (including composed type, impressed lithographic stones or other impressed media for use in printing)	*325.2	409.7	580.6
Published and/or printed products (including commission printing)				
Books				
241215	Printed but not published by the establishment	*552.9	r495.6	**472.0
242311	Published but not printed by the establishment	r432.7	r443.1	378.3
242312	Published and printed by the establishment	38.8	r40.3	*64.6
Journals and periodicals				
241218	Printed but not published by the establishment	332.5	r482.9	474.1
242113	Published once a week or more (excluding bound)	827.3	r215.9	262.4
242210	Published less than once a week (for example monthly)(including bound)		r668.0	771.9
242114	Published and printed by the establishment	r*76.8	r*27.1	7.2
242211	Published less than once a week (for example monthly)(including bound)		r*113.2	n.p.
Maps, charts, plans and sheet music (excluding atlases and touring guides in book form)				
241216	Printed but not published by the establishment	**2.9	*2.4	**5.6
242313	Published but not printed by the establishment	r**10.6	n.p.	n.p.
242314	Published and printed by the establishment	—	n.p.	n.p.
Newspapers				
242110	Printed but not published by the establishment	358.5	386.6	410.5
242111	Published but not printed by the establishment	r134.6	r265.7	117.7
242112	Published and printed by the establishment	850.5	792.1	808.5
242315	Other printed articles (e.g. art prints) published by the establishment	*86.4	r131.9	169.9
241320	Plans and drawings for architectural, engineering, industrial, commercial, topographical or similar services, being originals drawn by hand; hand-written texts (including photographic reproductions and carbon copies)	*158.6	194.6	***10.8
241214	Trade advertising material or commercial catalogues; printed pictures, designs and photographs; business forms; calendars; transfers (decalcomanias) and other printed matter, n.e.c.	3 384.1	r3 814.7	3 933.3
Recorded media				
243014	Compact discs	*403.2	r*541.0	401.1
243015	Computer tapes or disks		151.3	
243011	Pre-recorded audio cassette tapes	*46.0	r16.2	14.4
243012	Video tapes	*50.7	*68.5	71.8
243013	Other magnetic tapes	*25.4	—	n.p.
243016	Other recorded media	*8.3	n.p.	19.6

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96 \$m	1996-97 \$m	1997-98 \$m
Petroleum refining, petroleum and coal products				
251010	Automotive petrol; refined or blended gasoline; motor spirit (including aviation spirit)	3 726.9	4 010.1	4 673.6
	Benzole			
251062	From petroleum	—	—	—
271113	Other	n.p.	n.p.	n.p.
252015	Bituminous mixtures and other articles of asphalt or similar materials	188.0	203.4	194.0
252011	Char (excluding bone char)	n.p.	n.p.	n.p.
251066	Dry cleaning fluid and other petroleum solvents	n.p.	n.p.	n.p.
251030	Gas or fuel oil (excluding motor spirit and kerosene)	n.p.	n.p.	n.p.
251020	Kerosene (including kerosene type jet fuel)	n.p.	871.4	878.3
271111	Light oils obtained as a by-product from metallurgical coke (excluding benzole, grease oils, toluole and xylol)	—	—	—
251051	Liquefied petroleum gas produced at refineries	247.5	238.1	258.5
251063	Liquid or liquefied gas fuels in containers of a kind used for filling or refilling cigarette or similar lighters, of a capacity not exceeding 300 cc	—	—	n.p.
251065	Lubricating and heavy petroleum oils and heavy oils from bituminous minerals (excluding crude)	200.2	219.6	209.7
252021	Metallurgical coke, coke breeze and retort carbon	*98.1	*59.4	n.p.
252014	Paper, composite paper and paperboard impregnated, covered or laminated with tar, bitumen or asphalt	—	—	—
251040	Petroleum bitumen; residues of petroleum oils and bituminous minerals; petroleum coke	101.0	117.5	107.5
251061	Petroleum jelly; paraffin wax and other mineral waxes	n.p.	n.p.	n.p.
252013	Pitch and pitch coke obtained from mineral tars	n.p.	n.p.	n.p.
	Tar			
271112	Crude	n.p.	n.p.	n.p.
252012	Refined	—	—	n.p.
251067	Topped or enriched crude oils and other refinery products for further processing	n.p.	—	—
Fertilisers				
253110	Ammonia aqua or urea, fertiliser grade; ammonium sulphate	*335.8	r655.5	657.5
253130	Prilled ammonium nitrate			
253121	Superphosphate and other phosphatic fertilisers	354.8		
253140	Mixed fertilisers and other fertilisers, n.e.c.	323.3	r583.3	563.4
253151	Ground phosphate	—	—	***1.5
253152	Potassic fertilisers (excluding camallite, sylvite and other crude natural potassium salts); nitrogenous fertilisers (excluding ammonium sulphate and prilled ammonium nitrate); animal or vegetable fertilisers (excluding mixtures)	169.0	r49.0	37.2
Synthetic resins				
253371	Carbon black	131.5	r92.1	n.p.
	Plastics in primary forms			
	Not mixed or compounded with any other substance (excluding regranulated scrap)			
253330	Polyethylene	555.7	r516.6	(a)892.4
253320	Polystyrene	248.8	r103.8	95.2
253340	Polyvinyl chloride		r146.2	(a)
253350	Polypropylene	181.7	r317.9	(a)
253361	Polyvinyl acetate and synthetic resins, n.e.c. (excluding adhesives)	256.3	r170.8	164.3
253374	Mixed or compounded with other substances	367.9	r379.4	500.5
253375	Regranulated scrap of single thermoplastic material	74.6	r*36.2	*51.0
253310	Synthetic rubber	154.2	r101.4	n.p.
253372	Rosin and resin acids and derivatives thereof; rosin spirit and rosin oils; run gums	*23.4	r70.0	*29.4

(a) For 1997-98, value shown against item 253330 is for 253330, 253340 and 253350 combined.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96 \$m	1996-97 \$m	1997-98 \$m
Industrial gases and organic industrial chemicals				
Acyclic hydrocarbons				
253211	Acetylene gas	471.5	n.p.	n.p.
253441	Other (e.g. ethane, butane, ethylene, propylene)			
253214	Carbon dioxide (including dry ice), carbon monoxide and nitrous oxide	43.1	r49.9	45.7
253451	Carboxylic (excluding salicylic acid and its salts and esters), monocarboxylic and polycarboxylic acids and their anhydrides, halides, peroxides and derivatives (excluding pharmaceutical products)	—	—	—
253445	Chloroform, carbon tetrachloride, vinyl chloride and other derivatives of hydrocarbons	—	—	—
Cyclic hydrocarbons				
253442	Benzene	—	—	—
253443	Styrene	—	r n.p.	n.p.
253444	Other (e.g. cyclohexane, toluene and xylene)	n.p.	n.p.	n.p.
253482	Ethers (including esters of inorganic acids, their salts and derivatives), alcohol peroxides, ether peroxides, epoxides, acetals and hemiacetals and derivatives; aldehyde-, ketone- and quinone-function compounds	198.7	r192.1	107.4
253421	Ethyl alcohol	n.p.	n.p.	71.5
271114	Gas from coke works or blast furnaces	—	—	—
253213	Hydrogen, rare gases, nitrogen and oxygen	202.5	222.7	249.7
253460	Nitrogen-function compounds (excluding saccharin and urea, and pharmaceutical products)	—	—	—
253470	Organo-inorganic compounds; heterocyclic compounds n.e.c. (excluding pharmaceutical products)	n.p.	n.p.	*16.1
253422	Other alcohols, phenols, phenol-alcohols and derivatives; fatty acids (purity less than 90%)	197.5	r200.7	181.4
253483	Other organic chemicals, n.e.c.	90.1	r77.2	84.4
253431	Synthetic organic colouring matter and preparations (including colour lakes, dyes and pigments); organic tanning extracts and synthetic tanning materials; organic colouring matter and preparations of vegetable or animal origin	333.5	r61.1	*35.1
253493	Tall oil, turpentine (excluding mineral), wood tar or creosote, brewers' pitch; activated natural mineral products; animal black (including spent)	n.p.	—	—
253491	Toluole or xylene, not chemically or commercially pure	—	—	—
253492	Urea, other than fertiliser grades	—	n.p.	n.p.
253410	Compound plasticisers for rubber or plastics, n.e.c.; anti-oxidising preparations and other compound stabilisers for rubber or plastics	n.p.	n.p.	89.4
253494	Mixed alkylbenzenes and mixed alkylnaphthalenes, n.e.c.; finishing agents and dye carriers (including dressings and mordants), n.e.c.; other chemical products and preparations	*14.9	n.p.	n.p.
Inorganic industrial chemicals				
Acids				
253511	Hydrochloric, chlorosulphuric, sulphuric, phosphoric and polyphosphoric acids, oleum, diphosphorous pentoxide	115.2	r150.4	85.1
253521	Nitric and sulphonitric acids	49.7	r22.4	*6.8
253522	Other inorganic acids and inorganic oxygen compounds of non-metals (excluding industrial gases)	*14.4	n.p.	n.p.
253551	Ammonia, anhydrous or in aqueous solution (excluding fertiliser grade)	n.p.	n.p.	n.p.
253552	Ammonium chloride; nitrites and potassium nitrate; commercial and other ammonium carbonates	—	n.p.	n.p.
253545	Graphite, artificial; colloidal or semi-colloidal graphite; preparations based on graphite or other carbon in form of semi-manufactures	—	—	—
253530	Inorganic colouring matter (including inorganic products of a kind used as luminophores)	*316.5	r333.0	397.7
253544	Prepared pigments, opacifiers, colours, glazes of a kind used in the ceramic, enamelling or glass industries; glass in the form of powder, granules or flakes			

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96	1996-97	1997-98
		\$m	\$m	\$m
Inorganic industrial chemicals <i>continued</i>				
253543	Inorganic tanning extracts of vegetable origin	—	—	n.p.
253547	Nuclear reactor fuel elements (cartridges)	—	—	—
253546	Radioactive elements, isotopes and compounds; alloys, dispersions, ceramic products and mixtures containing these elements, isotopes or compounds; radioactive residues	—	—	n.p.
253550	Triammonium phosphate	—	—	—
253548	Other inorganic industrial chemicals, n.e.c.	558.1	r640.1	519.9
253549	Miscellaneous basic chemical products, n.e.c.	158.6	r222.6	203.6
Explosives				
254122	Explosives, signalling flares, fireworks and other pyrotechnic articles	} 633.0	r763.5	} 633.8
254110	Safety fuses, detonating fuses or caps			
254121	Matches			
Paints				
Paints, enamels and clears				
254211	Architectural and decorative (including all paints and coatings for use on buildings and structures; excluding heavy duty coatings)	727.0	842.4	779.4
254212	Automotive (including primers, undercoats and finishing coats, lacquers and stains; excluding heavy duty coatings and bituminous mastics)	169.2	214.9	231.7
254213	Industrial (including primers, undercoats, finishing coats and heavy duty coatings)	302.8	304.1	360.1
254252	Other paints (including marine coatings) and other allied products (including thinners, wood stains, paint remover and varnish remover)	144.5	105.1	162.2
254240	Putty, filler, resin cements, caulking compound, plasters, renders, mastics and silicon sealants	67.1	r56.2	49.1
254251	Rubbing compounds	*0.6	**0.8	**0.5
Medical and pharmaceutical products				
254313	Baby napkins (excluding textile), sanitary towels and tampons of paper or cellulose wadding	415.6	412.1	471.4
254312	Barrier creams and toilet lanolin; suncreening preparations	32.9	34.1	*38.6
254311	Saccharin	n.p.	n.p.	n.p.
254315	Vaccines, serums, antibiotics, antitoxins and ointments for human use	1 313.5	1 326.0	1 478.4
254316	Vitamins for human use	200.9	228.7	260.8
254317	Other pharmaceutical goods for human use (excluding wadding, gauze, bandages and surgical sutures)	1 506.2	1 710.8	1 840.8
254321	Animal feed supplements	*110.3	50.9	*111.6
254322	Other veterinary products	119.0	208.0	248.7
Pesticides				
254410	Pesticides, insecticides and fungicides (including seed dressings)	639.9	r729.2	546.8
254420	Weed killers (herbicides), rat poison, soil fumigants and other agricultural and pastoral chemicals	480.1	r443.7	513.7

SALES AND TRANSFERS OUT.....

<i>MIOCC code</i>	<i>Commodity description</i>	1995-96 \$m	1996-97 \$m	1997-98 \$m
Soap and other detergents				
254561	Anionic, cationic and other organic surface active agents (excluding soap)	121.3	r77.3	97.1
254512	Candles and tapers	*3.9	*7.5	**2.8
	Detergents and washing preparations			
254571	Fabric washing preparations	408.9	r283.6	268.3
254572	Dishwashing preparations	143.3	r126.5	125.0
254573	Soaking, rinsing or bleaching preparations (excluding hydrogen peroxide)	65.4	r51.7	60.5
254574	Other	81.1	r70.4	121.1
254540	Disinfectants (including phenyl)	67.7	r69.4	58.5
254511	Glycerol (glycerine), glycerol waters and lyes	n.p.	n.p.	n.p.
254530	Laundry bleach	34.4	r47.6	20.4
254562	Scouring preparations and abrasive cleaners	*45.9	r43.2	41.1
254521	Soap and soap based products	75.4	r88.0	83.7
254525	Toothpaste and other dentifrices	133.2	r167.9	165.9
Cosmetic and toiletry preparations				
254631	Aftershave and shaving preparations	17.8	18.1	*11.7
254635	Face and body moisturisers	85.5	72.5	90.1
254632(a)	Face powder and lotion (including foundation preparations; blushers, shapers and rouge)	43.2	51.3	39.7
	Hair preparations			
254625	Colouring preparations	68.0	66.5	61.2
254622	Conditioners	107.9	90.3	75.3
254623	Preparations for permanent waving or straightening of hair	16.9	13.8	13.4
254621	Shampoo	142.4	166.4	105.5
254624	Sprays (lacquers)	51.2	r38.7	32.0
254626	Other hairdressing preparations	38.8	27.8	46.6
254640	Hand cream or lotions (excluding barrier cream and medicated cream); nail lacquers, varnishes, polishes and other nail care preparations	31.1	40.5	39.0
254636	Other beauty creams and lotions	*34.7	20.8	34.7
	Make-up			
254634	Eye make-up and mascara	15.9	15.2	*12.8
254633	Lipstick and other lip make-up	18.0	22.5	19.9
254652	Perfumes and eaux de toilettes	52.1	38.1	*38.8
254653	Personal deodorants and anti-perspirants	98.9	97.3	109.6
254654	Room deodorisers and air fresheners	30.1	81.0	*57.1
254655	Other cosmetic and beauty preparations, n.e.c. (including bath salts, talcum powder and depilatories; excluding medicaments)	93.9	64.4	75.8
Inks				
254710	Printing, writing and drawing inks	324.1	r258.5	237.8
Other chemical products				
254910	Adhesives (excluding bituminous) and glues	277.7	r342.0	296.2
254930	Gelatine (including derivatives)	n.p.	n.p.	n.p.
254935	Natural gums	—	—	n.p.
254921	Surface cleaning and degreasing preparations (including oven and stove cleaners)	*142.1	r87.6	*82.4
	Waxes			
254922	Insect waxes (excluding natural beeswax) and spermaceti	—	n.p.	**22.8
254923	Vegetable waxes	—	—	—
254924	Other cleaning polishes, creams and waxes, n.e.c.	86.9	r78.8	*118.0
254941	Other chemical products, n.e.c.	184.9	r215.1	270.7

(a) From 1997-98, the commodity description has been changed to better describe the item. For 1995-96 and 1996-97, the description was 'Face powder and lotion (including foundation preparations)'.

SALES AND TRANSFERS OUT.....

<i>MIOCC code</i>	<i>Commodity description</i>	1995-96 \$m	1996-97 \$m	1997-98 \$m
Rubber tyres				
New pneumatic rubber tyres				
255150	For motor cars and motor cycles	794.2	793.3	(a)752.9
255160	For buses and lorries			(a)
255171	For other vehicles (e.g. tractors, aircraft and bicycles)			—
255180	Pneumatic rubber tubes			—
255172	Retreaded pneumatic rubber tyres			(a)
255173	Solid or cushion tyres, interchangeable tyre treads and tyre flaps	—	—	—
Tread rubber				
255191	Camel-back strips for retreading	n.p.	41.0	35.9
255192	Unvulcanised rubber strip (e.g. orbi-strip) for retreading	(b)*106.0	(b)97.1	*32.7
Other rubber products				
255961	Condoms	—	—	—
255941	Inflatable rubber vessels (including rowing boats, canoes and rafts)	n.p.	n.p.	—
255942	Mattresses of, or stuffed with, rubber	—	**1.3	*6.5
255920	Rubber belting (including V-belts)	(b)	(b)	79.9
255910	Rubber gloves, mittens and mitts	—	—	—
255940	Rubber sheets, strips, plates, rods, profile shapes and primary forms (excluding sponge or foam)	175.1	202.9	262.1
Rubber tubes, pipes and hoses				
255933	With fittings (e.g. joints, elbows, flanges, etc.)	**112.3	*39.2	*23.2
Without fittings				
255932	Reinforced	50.7	46.2	40.7
255931	Not reinforced or otherwise combined with other materials	**3.0	*7.2	*25.5
255950	Sponge and foam rubber	3.8	r23.0	18.2
255962	Other rubber hygienic or pharmaceutical rubber products (e.g. oxygen bags, teats, hot water bottles)	**3.4	**15.6	—
255963	Wall or floor coverings of rubber	42.1	n.p.	n.p.
255964	Other rubber products (e.g. handles, bands, valves, etc.)	163.0	204.0	197.7
Plastic blow moulded products				
256110	Plastic bottles	694.1	r618.3	669.2
Plastic extruded products				
256221	Plastic conveyor belting	*55.4	r*23.0	*92.3
256210	Plastic tubes, pipes and hoses	667.1	r605.4	718.1
Plastic bags and films				
Flexible plastic plates, sheets, film, foil, strip and other flat shapes (excluding floor, wall and ceiling coverings, vulcanised fibre or plastic foam)				
256318	Reinforced, laminated or supported with other materials	360.9	r324.6	341.7
Not reinforced, laminated or supported with other materials				
Of polymers of ethylene				
256313	High density	67.2	r35.1	*38.2
256314	Low density	228.3	182.5	178.4
256316	Of polymers of propylene	*88.3	76.5	60.6
256315	Of polymers of vinyl chloride	*67.1	r*143.3	42.4
256317	Of other polymers (e.g. styrene, acrylic)	134.0	r43.6	
Plastic sacks, packets and bags (including garbage bags)				
256331	Of polyethylene	*486.2	r521.0	*475.1
256332	Of polypropylene	**56.9	*75.6	**26.2
256333	Of regenerated cellulose	*80.5	78.7	*42.9
256334	Of other plastics (including multi-substrate)			
256311	Self-adhesive plates, film, foil, tape, strip and other flat shapes, of plastics	85.3	r78.0	53.1

(a) For 1997-98, value shown against 255150 is for 255150, 255160 and 255172 combined.

(b) For 1995-96 and 1996-97, value shown against item 255192 is for 255192 and 255920 combined.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96 \$m	1996-97 \$m	1997-98 \$m
Rigid fibre reinforced plastic products and plastic foam products				
256510	Foam or expanded plastic plates, sheets and strip	254.5	r237.9	166.3
256520	Other plastic foam products	124.6	r118.5	160.4
Rigid fibre reinforced plastic rods, sticks, profile shapes, sheeting, plates, boards and panels (excluding floor, wall or ceiling coverings, self-adhesive or plastic foam)				
256411	Of polymers of ethylene	*42.5	*51.1	*62.1
256412	Of polymers of vinyl chloride	**24.6	*47.0	75.9
256413	Of other polymers	*163.6	r102.6	*291.2
256414	Other semi-manufactured plastics, n.e.c.	*68.4	r227.3	*169.4
(a) Plastic injection moulded products				
256651	Artificial guts (sausage casings) of hardened protein or of cellulosic materials	—	—	—
256642	Boxes, crates, cases and similar containers, of plastic	*99.1	*153.8	**100.6
Builders' hardware, of plastic				
256625	Plastic baths, washbasins, toilet cisterns and covers, and similar sanitary ware	n.p.	r86.6	105.3
256626	Other	*10.4		23.4
256621	Fittings of plastic for tubes, pipes and hoses (including joints, elbows and flanges)	87.4	r80.2	*283.8
Floor, wall or ceiling coverings, of plastic				
256632	Linoleum and other floor coverings on a base of textile	n.p.	—	**13.2
256631	Plastic floor coverings on a base of paper or paperboard	—	n.p.	n.p.
256624	Plastic wall or ceiling coverings (excluding tiles)	***0.6	—	—
256633	Other plastic floor coverings or wall or ceiling tiles	***3.0	n.p.	n.p.
256627	Insulation fittings, of plastic, for electrical machines and appliances	*16.0	n.p.	**46.7
256641	Packaging and shipping containers of plastic, for liquids (including drums and drum lining, bottles, and jerry cans)	*35.6	*38.3	32.4
Packaging accessories and components, of plastic				
256643	Stoppers, lids, caps and other closures	98.4	r98.2	*258.6
256644	Seals and seal rings	94.7	r*123.5	—
256645	Other			*75.8
256628	Screening and netting, of plastic (including fibreglass)	40.1	n.p.	**18.5
Tableware, kitchenware and other household and toilet articles of plastic				
256613	Buckets	*26.4	r*22.9	*61.4
256612	Disposable cups and tumblers for food and drink	90.0	n.p.	*165.3
256614	Garbage bins	**187.4	r60.2	38.6
256615	Other	**213.2	r*48.1	*43.4
256622	Taps, cocks, valves and similar attachments, of plastic	*2.2	*7.7	**11.7
256629(b)	Other articles of plastic, n.e.c. (e.g. school or office supplies, fittings for furniture or coachwork)	*116.1	r*24.2	..
256630(b)	Other articles of plastic, n.e.c. (e.g. school or office supplies, fittings for furniture or coachwork, statuettes and ornaments, dust sheets and protective bags)	..	..	*183.9
Plastic injection moulded products (excluding plastic heels, and toys and games)				
256655	Articles for tailors and dressmakers (including fasteners, studs, buttons and mannequins)	402.0	r30.8	**43.9
256656	Other (e.g. vacuum flasks, hairpins, hair curlers)		r279.4	568.2
256657	Parts, of plastic, for lamps and lighting fittings (including parts for searchlights, spotlights, illuminated signs, illuminated name-plates and the like)	..	..	**14.4
256654(a)	Other plastic products, n.e.c.	608.4	r1 180.9	..

(a) On investigation, it was found that for 1995-96 and 1996-97 commodity code 256654 'Other plastic products n.e.c.' had been used by providers to report production of items that should have been reported elsewhere within this sub-section. From 1997-98, this code has been removed from the classification. A new commodity code (256657) has been created and an existing code description (see footnote (b)) improved. Data previously incorrectly reported against 256654 has, for 1997-98, been reported against other codes within this sub-section.

(b) The MIOCC code for 1995-96 and 1996-97 (256629) has been changed to 256630 for 1997-98. In addition, the 1997-98 commodity description has been changed to include further examples of 'Other articles of plastic, n.e.c.'.

SALES AND TRANSFERS OUT.....

<i>MIOCC code</i>	<i>Commodity description</i>	1995-96 \$m	1996-97 \$m	1997-98 \$m
Glass and glass products				
261011	Float glass and surface ground or polished glass, cast glass and rolled glass, in sheets or profiles, whether or not having an absorbent or reflecting layer, but otherwise unworked	784.3	682.7	737.6
261030	Glass containers, bottles or jars; glass stoppers and closures; glass inners for vacuum vessels			
261051	Glassware used for table, kitchen, toilet, office, indoor decoration or similar purposes (excluding bottles, jars, etc.)	47.8	*26.5	***2.6
261041	Rear-view mirrors for vehicles	—	—	—
261020	Safety glass (including windscreens and laminated sheet glass)	226.9	268.5	238.8
261052	Other glassware (e.g. rods, beads, sheets, glass insulators, clock/watch glass, etc.)	*60.5	52.7	32.9
Ceramics				
Ceramic roofing, flooring and wall tiles (including flags, pavers and hearth tiles)				
262313	Unglazed	*32.8	**18.2	*77.1
262312	Glazed		43.8	
262320	Other ceramic construction goods (e.g. architectural ornaments, non-refractory ceramic pipes, conduits, guttering and pipe fittings)	52.0	*16.0	53.9
Ceramic tableware, kitchenware and other ceramic household and toilet articles				
262921	Of porcelain or china	*20.6	*17.9	*16.0
262922	Of pottery	15.9	35.7	*24.7
262930	Ceramic wares for laboratory, chemical or other technical uses; troughs and tubs used in agriculture; pots and jars used for the conveyance or packing of goods; electrical insulators and fittings of ceramic materials	49.4	56.7	*19.8
262910	Ceramic wash basins, sinks, baths, lavatory pans, toilet cisterns and similar sanitary ware	n.p.	r82.3	n.p.
Clay bricks (excluding refractory bricks)				
262111	Standard size (length 230 mm; width 110 mm; height 76 mm)	502.0	470.0	469.8
Non standard size				
262112	For structural purposes	56.6	64.5	98.8
262113	For other purposes (e.g. paving)	112.1	127.7	120.4
Refractory products (including bricks, cement and clay)				
262211	Bricks, blocks, tiles and other ceramic goods of siliceous earths	35.4	*33.1	*46.9
262212	All other refractory products (e.g. retorts, crucibles, nozzles)	178.3	141.5	115.3
262923	Statuettes and other ornamental ceramic articles (including pottery)	*6.7	***1.8	12.8
262311	Terracotta roofing tiles	56.2	74.8	*60.8

SALES AND TRANSFERS OUT.....

<i>MIOCC code</i>	<i>Commodity description</i>	1995-96 \$m	1996-97 \$m	1997-98 \$m
Cement, lime, plaster, and concrete products				
	Cement (including hydraulic and portland; excluding adhesive or refractory)			
263111	Cement clinkers	77.7	81.5	70.1
263112	Portland cement and blended portland cement	864.3	822.2	1 010.4
	Articles of cement, concrete or artificial stone			
263514	Blocks	158.1	r206.8	184.6
263513	Bricks	*244.7	*83.4	66.0
263515	Concrete roofing tiles	255.3	252.3	227.8
263410	Pipes; concrete box culverts	269.3	r240.0	n.p.
263512	Prefabricated structural components for building or civil engineering	499.5	r295.5	384.1
263516	Other concrete articles (including sinks, tanks, vats, monuments and ornamental goods)	125.8	r289.0	144.9
264067	Articles of asbestos-cement and cellulose fibre-cement	—	r n.p.	n.p.
	Concrete and mortar			
263310	Ready mixed	1 880.8	2 108.9	2 256.8
264066	Non-refractory	n.p.	n.p.	—
263225	Exfoliated vermiculite, expanded clays, foamed slag and similar expanded mineral materials (including intermixtures)	n.p.	n.p.	—
	Lime			
263121	Hydraulic	133.9	151.1	(a)153.9
264052(b)	Other (including quick, hydrated, slaked and agricultural)	*27.3	r**46.6	..
263122(b)	Other (including quick, hydrated, slaked and agricultural)	..	..	(a)
263221	Plasters (including plaster of paris; excluding dental plasters)	n.p.	n.p.	33.3
263211	Articles of plaster or of compositions based on plaster (including plasterboards, sheets, panels, tiles and similar articles (excluding ornamental); cornices, vents, mouldings and cornice adhesives based on plasters; other articles of plaster)	525.6	432.6	576.5
264053	Other cement, lime and plaster, n.e.c.	n.p.	r131.7	*93.0
Minerals and mineral products				
264062	Crushed slag	*31.4	n.p.	n.p.
264030	Glass fibre and glass wool products	200.3	r206.9	182.5
264042	Ground clays (including kaolin and bentonite; excluding colours); andalusite, kyanite and sillimanite; mullite; chamotte and dinas earths	n.p.	n.p.	n.p.
264041	Ground limestone	n.p.	***0.3	*18.1
264045	Ground mica; feldspar; leucite; nepheline and nepheline syenite; ural abrasives (including ground); crushed and powdered natural steatite; talc; emery; and pumice stone	n.p.	r**112.4	n.p.
264044	Ground minerals and fluorspar (excluding abrasives and dust and powders of natural and synthetic precious or semi-precious stones)	*75.7	63.8	*88.9
264061	Ground or otherwise worked industrial diamonds; dust and powder of natural and synthetic precious and semi-precious stones; worked synthetic or reconstructed precious stones	—	—	—
264069	Hand sharpening or polishing stones; natural or artificial abrasive powders or grain, on a base of textile material, paper, paperboard or of other materials; worked mica and articles of mica	77.4	r*73.2	60.8
264068	Millstones, grindstones, grinding wheels, cutting wheels and the like	n.p.	n.p.	**15.8
264010	Mineral wool and mineral wool products	n.p.	n.p.	n.p.
264064	Unworked synthetic or reconstructed precious or semi-precious stones	—	—	*115.4
264021	Worked monumental or building stone	165.4	r**42.8	140.4
264046	Other minerals, n.e.c.	27.6	n.p.	**13.7
264070	Other non-metallic mineral products	46.0	r**69.3	*42.2

(a) For 1997-98, value shown against item 263121 is for 263121 and 263122 combined.

(b) Collected under MIOCC code 264052 for 1995-96 and 1996-97 and MIOCC code 263122 from 1997-98. This is purely a change in code number, with the description and composition of this commodity not having changed.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96 \$m	1996-97 \$m	1997-98 \$m
Iron and steel				
271170	Alloy steel flat-rolled products	240.8	r n.p.	n.p.
271120	Basic iron (including flat iron and pig iron); iron or steel granules and powders	(a)	r86.8	(a)
271213	Cast iron tubes, pipes and hollow profiles	*93.5	104.0	} 136.5
271214	Cast iron or cast steel tube or pipe fittings	121.0	r134.1	
271212	Cast iron or cast steel steam, gas and water fittings (excluding domestic; including taps, cocks and valves)	*97.1	r*64.0	*15.6
271130	Ferro-alloys (including manganese, silicon or chrome) iron or non-alloy steel flat-rolled products	(a)259.4	r164.8	(a)340.1
271160	Clad, plated or coated	} (b)5 113.4	r(b)5 129.0	(b)4 991.1
271150	Other			
271180	Iron or steel bars, rods, angles, shapes and sections (including sheet piling)	1 978.9	r2 016.2	1 499.1
271234	Iron or steel chain (excluding articulated link chain)	} *20.7	r**34.4	15.3
271115	Iron or steel expanded metal			
271231	Iron or steel pieces roughly shaped by forging	(a)	r85.8	(a)
271140	Iron or steel primary forms (including ingots) and semi-finished products	1 125.6	r843.0	1 341.5
271100	Iron or steel rails, fastenings or other rail accessories	123.6	r159.2	147.6
271232	Iron or steel tyres and wheels, forged, for railway or tramway locomotives and rolling stock	n.p.	n.p.	n.p.
271185	Iron or steel wire for further processing (excluding fencing, stranded or barbed)	(c)	r n.p.	n.p.
271190	Painted, varnished or coated steel sheet, profile decking or cladding (including steel sheeting for fencing)	(b)	(b)	(b)
271235	Other cast and forged articles of iron or steel	453.3	r517.1	485.3
Steel pipes and tubes				
271310	Iron (excluding cast iron) or steel seamless tubes, pipes or hollow profiles (including line pipe, casing, tubing and drill pipe)	369.1	r441.3	423.9
271321	Other iron or steel tubes, pipes, hollow profiles and fittings (excluding cast or seamless)	(c)403.4	r509.1	n.p.
271331	Steel (excluding cast) steam, gas and water fittings (excluding domestic; including taps, cocks and valves)	*6.0	r*22.1	*96.2
Basic non-ferrous metals				
272110	Alumina	3 179.7	r3 011.7	3 217.4
270001	Aluminium scrap	..	..	n.p.
Primary and secondary recovery (excluding from purchased scrap) of non-ferrous metals				
272210	Aluminium	3 550.8	r2 901.1	3 363.9
272312	Copper (including brass)	1 362.8	} r3 298.1	} 3 196.6
272910	Nickel	} 2 275.6		
272313	Lead			
272314	Zinc			
272311	Silver and platinum			
272911	Tin	*7.8	n.p.	*1.2
272921	Other basic precious metals	304.8	r299.4	263.5
272922	Antimony and other basic non-ferrous metals	n.p.	n.p.	n.p.
Secondary recovery of non-ferrous metals from purchased scrap				
272220	Aluminium	309.6	r207.9	308.0
272332	Copper, brass, lead and zinc	82.9	50.4	51.1
272912	Nickel and tin	—	—	**4.6
272331	Silver and platinum	**12.5	—	n.p.
272931	Other basic precious metals	n.p.	***9.6	—
272932	Antimony and other basic non-ferrous metals	—	—	n.p.

(a) For 1995-96 and 1997-98, value shown against item 271130 is for 271120, 271130 and 271231 combined.

(b) For each year, value shown against items 271150 and 271160 as combined is for 271150, 271160 and 271190 combined.

(c) For 1995-96, value shown against 271321 is for 271185 and 271321 combined.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96 \$m	1996-97 \$m	1997-98 \$m
Basic non-ferrous metals <i>continued</i>				
272341	Zinc alloys; copper mattes; cement copper (precipitated copper); unwrought copper, nickel, aluminium, alumina, lead, zinc and tin, n.e.c.	151.3	r107.9	115.8
272941	Other non-ferrous metal alloys	*34.7	r*73.4	
Non-ferrous basic metal products				
273110	Aluminium and aluminium alloy bars, rods (including wire rod) and profiles (including decking and cladding)	460.9	r481.4	500.4
273120	Aluminium foil	213.9	r206.4	133.3
Copper and copper alloy (including brass) bars, rods (including wire rod) and profiles				
273211	Brass	650.1	r724.9	736.9
273212	Other			
273220	Copper and copper alloy (including brass) wire (excluding stranded, braided or insulated)			
273131	Rolled, drawn or extruded aluminium pipes, tubes, plates, sheets, strip and wire products; aluminium powders and flakes	542.7	r484.8	616.0
Rolled, drawn or extruded semi-finished products				
273232	Copper and copper alloy (including foil, tubes and pipes)	293.2	r235.3	232.8
273241	Nickel, nickel alloy, lead, zinc and tin	**12.2		
273231	Silver and platinum	—		
273245	Other (including alloys)	*99.1	r*91.5	40.6
273242	Semi-manufactures of tungsten, molybdenum, tantalum, magnesium, cobalt, cadmium, titanium, zirconium, beryllium, gallium, hafnium, indium, niobium, thallium or thallium	*24.8	*20.9	26.6
273243	Powders, wastes and scrap of tungsten, molybdenum, tantalum, magnesium, cobalt, cadmium, titanium, zirconium, beryllium, gallium, hafnium, indium, niobium, thallium or thallium	n.p.		
273310	Non-ferrous metal castings, diecastings and forgings (excluding pipe fittings, taps, valves, etc.)	..	..	n.p.
Structural steel				
Fabricated and prefabricated constructional steel (including scaffolding, perforated steel plate, roof trusses, girders, joists and rafters)				
274111	Rolled form structural framework	987.5	r1 658.5	1 354.1
274112	Other	688.4	r675.2	1 049.5
274113	Iron or steel bridges, bridge sections, towers and lattice masts	(a)	*43.2	*87.3
274120	Reinforcing steel rods or bars	356.2	r445.2	543.1
274130	Reinforcing welded steel mesh	357.5	r377.0	397.2
Architectural aluminium products (except prefabricated buildings)				
Aluminium doors (including roller and concertina; excluding fire doors), windows (including glass); door and window frames; roller grilles				
Doors				
274211	Domestic	*238.6	r234.1	216.4
274212	Other	*165.7	46.0	**68.0
Windows				
274213	Domestic	*268.8	r399.2	457.6
274214	Other	**131.9	61.7	*117.3
274215	Other	69.9	r136.1	156.5
274220	Aluminium combined door-window units	*596.2	208.2	*243.6

(a) For 1995-96, data for 274113 have been combined with data for 274933 (see the next page).

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96 \$m	1996-97 \$m	1997-98 \$m
Architectural aluminium products (except prefabricated buildings) <i>continued</i>				
Other aluminium architectural or building products (including shower screens, ceiling sections, gates, partitions, railings and shutters)				
274231	Shower screens	62.4	127.0	*160.1
274232	Other (excluding doors and windows)	*190.3	r399.0	262.4
274235	Other articles of aluminium, n.e.c. (including ladders)	92.7	r256.1	119.8
Other structural metal products				
274910	Iron or steel window frames	**1.7	r*4.6	n.p.
274933	Iron, steel or aluminium fire doors Metal (excluding aluminium) doors or door frames (excluding fire doors)	(a)*24.8	*6.0	**21.0
Roller doors				
274921	Domestic	95.4	124.7	*91.2
274922	Other	**104.3	4.4	33.9
274923	Other doors or door frames	*38.4	59.6	*62.1
274934	Other fabricated iron or steel architectural products (e.g. stairs, balustrades)	*361.6	r288.1	*626.9
Metal containers				
Metal (excluding sheet metal) casks, drums, cans, boxes, barrels, collapsible tubes, cigarette cases, tool boxes and other containers of a capacity of 300 litres or less				
275121	Iron or steel	664.7	r596.9	665.9
275122	Aluminium	370.8	r314.8	265.9
275123	Other metal	*17.6	r*5.3	**3.9
276980	Metal freight containers (excluding stock crates)	—	n.p.	—
275113(b)	Metal cylinders for compressed or liquefied gas	..	..	*54.6
Metal vats, tanks and similar containers				
For compressed or liquefied gas				
Of sheet iron or steel (thickness less than 3 mm) or of sheet aluminium (thickness 6 mm or less)				
275111(b)	Cylinders	77.7	70.1	..
275112	Other containers	**7.4	26.7	*34.9
276933	Of other than sheet metal, of a capacity exceeding 300 litres (excluding those with mechanical or thermal equipment) (iron or steel with thickness 3 mm or more, aluminium with thickness exceeding 6 mm)	*76.9	80.5	41.1
Other than for compressed or liquefied gas				
Of a capacity of 300 litres or less (excluding those with mechanical or thermal equipment)				
276932	Of plate iron and steel (thickness of 3 mm or more) and aluminium (thickness exceeding 6 mm)	*7.8	r*19.3	**14.8
Of sheet metal (including milk and cream cans)				
275945	Iron or steel (thickness less than 3 mm)	*21.2	r*9.4	*31.9
275946	Aluminium (thickness of 6 mm or less)	n.p.	r*10.6	**3.2
Of a capacity exceeding 300 litres				
Of sheet metal				
275943	Iron or steel (thickness less than 3 mm)	*106.5	r*125.0	*76.5
275944	Aluminium (thickness of 6 mm or less)	n.p.	n.p.	n.p.
276934	Of other than sheet metal	**80.6	117.5	*54.0

(a) For 1995-96, value shown against item 274933 is for 274113 (see the previous page) and 274933 combined.

(b) From 1997-98, the MIOCC code 275111 (as used for 1995-96 and 1996-97) has been changed to 275113. The description and composition of this commodity (275113) has also changed for 1997-98 from what they were for 1995-96 and 1996-97.

SALES AND TRANSFERS OUT.....

<i>MIOCC code</i>	<i>Commodity description</i>	1995-96 \$m	1996-97 \$m	1997-98 \$m
Sheet metal furniture				
292212	Sheet metal medical, dental, surgical or veterinary furniture	n.p.	*40.3	***64.8
292213	Sheet metal office or desk equipment other than furniture	***35.2	136.3	128.7
292211	Unassembled large scale			
	sheet metal storage structures and shelving	131.2	r195.2	141.7
292214	Other sheet metal furniture, n.e.c. (including parts)	**131.5	179.0	**266.3
Other sheet metal products				
275961	Machine guards of sheet metal (not designed for use with a particular machine)	63.0	n.p.	53.6
275910	Sheet metal ducting	297.2	r191.5	263.2
275950	Sheet metal non-electric household articles and parts (excluding sanitary ware)	*187.8	***22.9	133.0
	Sheet metal sanitary ware			
275921	Stainless steel		r*103.6	118.9
275922	Other	*6.3	r**24.0	**26.5
275930	Sheet metal stoppers, caps, lids, capsules for bottles, threaded bungs, bung covers, seals and other packing accessories	378.1	r348.8	357.5
	Other sheet metal products (including base metal fittings for loose-leaf binders or files; advertising signs; letter clips, letter corners, paper clips, indexing tags and similar office articles)			
275963	Iron or steel	594.3	r957.7	707.2
275964	Aluminium	180.9	r*128.6	99.1
275965	Other metal	*37.5	r*81.5	*132.9
275966	Articles of copper, nickel, lead, zinc and tin, n.e.c.	**17.2	**11.7	**4.7
Other metal products				
276283	Articulated link chain and parts, of iron or steel	—	n.p.	**22.7
276930	Barbecues, portable, solid fuel	—	—	**0.4
	Boilers			
276922	Non-electric hot water or low pressure steam central heating boilers	—	*133.2	**22.7
276921	Super heated water boilers and steam generators (including parts); condensers for steam or other vapour power units	*48.5	r*75.8	**52.3
276927	Cigarette and other lighters	—	—	n.p.
276120	Domestic, hand-operated metal tools (including gardening tools, bottle or can openers, slicers, beaters, mixers and juice extractors; excluding power operated)	*20.3	*19.1	n.p.
276900	Fire extinguishers	*49.2	*41.6	n.p.
276990	Firearms (including parts)	n.p.	**23.6	—
276960	Gas or liquid meters	**101.3	64.0	*41.9
276926	Parts and accessories for gas or liquid meters	*28.5	*62.3	n.p.
276284	Hand sieves and hand riddles, of iron or steel	—	—	—
276150	Knives and cutting blades for machines or for metal working and wood working mechanical appliances	*48.1	*14.9	**1.7
276140	Metal knives with cutting blades (excluding knives or cutting blades for machines, and solid silver or gold knives), razors and razor blades, scissors (excluding electric), hair clippers (excluding electric), hand pieces for shearing machines, manicure or pedicure instruments	*11.8	—	**30.3
276132	Metal knives (excluding those with cutting blades), forks, spoons, ladles, skimmers, cake-servers, tongs and similar kitchen ware or table ware (excluding solid silver or gold)	—	—	***2.9
276110	Metal hand tools (excluding gardening, power-operated or pneumatic)	*131.7	r94.6	57.7
276161	Non power-operated metal hand tool accessories and attachments (including screwdriver and drilling bits; excluding twist drills, taps, dies and chasers)	41.9	r*55.6	*56.0
276133	Household tools, n.e.c.	—	*12.0	n.p.
276924	Lamps and lighting fittings, non-electric (including pressure and gas lanterns)	—	n.p.	***12.0

SALES AND TRANSFERS OUT.....

<i>MIOCC code</i>	<i>Commodity description</i>	1995-96 \$m	1996-97 \$m	1997-98 \$m
Other metal products <i>continued</i>				
	Locks (including parts and padlocks); keys; metal fittings and mountings for windows and doors (including hinges, hydraulic door closers and door handles)			
276971	Lock sets	95.0	134.3	101.4
276972	Other	93.7	101.3	115.4
276973	Other metal mountings (including hat and towel racks, brackets and latch sets)	119.1	*31.6	**81.3
	Metal blinds and awnings			
276940	Aluminium venetian blinds (including plastic coated)	*140.6	*236.1	*51.9
276950	Other	40.1	*22.3	**87.6
276250	Metal nails, tacks, staples, spiked clamps, studs, spikes and pins (including drawing and cotter pins; excluding metallic dowel pins)	**174.1	r120.6	*132.7
276310	Metal nuts, bolts (including expansion bolts), screws, rivets, washers, dowel pins, masonry anchors and turnbuckles	342.5	290.2	320.0
276910	Munitions and ammunition (including cartridges)	n.p.	133.3	n.p.
292921	Office or desk equipment other than furniture, of base metal (excluding sheet metal)	n.p.	**17.3	**14.7
276929	Prefabricated chimney stacks and livestock yarding equipment	**12.4	n.p.	**89.6
276282	Sewing machine needles and other parts and accessories for sewing machines (including furniture, bases and covers)	—	n.p.	—
276240	Springs, of iron, steel or copper (including leaves for springs)	*102.4	r94.0	*79.3
276511	Steam, gas and water fittings, non-ferrous metal (excluding domestic; including taps, cocks and valves)	185.0	r209.7	278.7
276911	Television antennae parts Tube or pipe fittings (excluding valves)(e.g. couplings, elbows, sleeves)	**62.6	*32.6	**92.3
276515	Of aluminium	***7.0	**15.7	*34.7
276513	Of copper or copper alloys	*46.0	*84.6	90.7
276514	Of nickel or nickel alloys	—	**3.0	—
	Wire, of iron or steel			
276221	Fencing wire (excluding stranded or barbed)	212.8	r142.2	125.7
276230	Stranded wire, ropes, cables, cordage, plaited bands and slings (excluding electrically insulated)	*130.0	r158.2	130.2
	Wire fabric of iron or steel			
276270	Welded (excluding reinforcing)	47.0	43.0	*84.1
276260	Woven or linked (excluding mattress supports)	70.1	r89.0	69.0
276281	Wire gates of iron or steel (cross sectional dimension of wire 16 mm or less)	n.p.	r**18.6	n.p.
276925	Woven wire, link mesh or wire spring mattress supports (excluding upholstered)	*39.6	*55.4	**53.8
276285	Other wire products (including copper cloth, grille, netting and fencing; barbed wire; frying baskets, plate racks, pot scourers, hooks and safety pins and other domestic metal wire products)	370.1	r285.9	416.3
276923	Articles of tungsten, molybdenum, tantalum, magnesium, cobalt, cadmium, titanium, zirconium, beryllium, gallium, hafnium, indium, niobium, thallium and thallium (including wrought; excluding semi-manufactures, powders, wastes and scrap)	—	**29.9	***19.5
276928	Metal sanitary ware (excluding sheet iron and steel or wire); steel wool; armoured or reinforced safes and strong-boxes; photograph and picture frames; flexible tubing; ladders (excluding aluminium); clothes hoists; anchors and grapnels; ship propellers and blades; other metal products, n.e.c.	*1 015.1	944.7	1 181.6

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96 \$m	1996-97 \$m	1997-98 \$m
Motor vehicles				
281150	Chassis with engines for motor vehicles	n.p.	n.p.	n.p.
	Motor vehicles, finished			
	With fewer than ten persons capacity			
281111	Cars	} 6 682.0	r7 439.5	7 683.9
281112	Station wagons and other finished motor vehicles (e.g. mini-buses, passenger mini-vans)			
281120	With ten or more persons capacity	60.3	r65.3	**10.3
281130	Trucks, truck type vehicles (including tow trucks, fire engines and road sweepers, utilities and panel vans; excluding off-highway trucks)	1 180.8	r1 057.4	1 028.7
281140	Motor vehicles, unassembled	n.p.	n.p.	**9.4
Motor vehicle bodies				
	Body panels			
281250	For trucks and buses	} *200.2	r408.4	333.5
281904	For other motor vehicles			
281211	Motor vehicle and truck bodies (coachwork)	*181.2	r138.1	*360.9
	Trailers and semi-trailers			
	Semi-trailers			
281231	Agricultural self loading and unloading semi-trailers (including tippers)	**34.6	r***7.8	**46.0
281232	Other semi-trailers for the transport of goods and materials (including tankers, vans, vehicle transporters, stock crates and timber jinkers)	332.2	r*170.3	*145.6
	Trailers			
281220	Caravans, camper trailers and similar vehicles	*57.3	n.p.	*89.9
281241	Trailers for the transport of goods and materials (including box trailers, boat trailers and horse floats)	**66.3	*237.9	*116.7
281242	Other trailers and semi-trailers, n.e.c.	—	n.p.	**100.8
281260	Trailer, semi-trailer, caravan and similar vehicle parts	**56.6	r*14.9	15.3
Automotive electrical instruments				
281312	Motor vehicle and truck air conditioners	260.6	r(a)375.7	327.5
281313	Motor vehicle apparatus for making, breaking, protecting, and making connections to and in electrical circuits (including switches, relays, fuses, plugs, terminals, terminal strips, lamp sockets, and holders; excluding wiring)	—	—	23.7
281311	Motor vehicle electric motors of an output not exceeding 37.5 W; other DC motors and DC generators	47.4	r53.0	n.p.
281316	Motor vehicle, tractor and motor cycle filament lamps and sealed beam lamps	—	—	—
281317	Motor vehicle and tractor petrol gauges, ammeters, voltmeters, revolution counters, production counters, speed indicators, tachometers, thermostats and similar instruments	n.p.	(a)	135.4
281315	Motor vehicle, tractor or motor cycle starting and ignition equipment, alternators; spark plugs; heaters, defrosters, demisters; windscreen wipers; lighting, sound or visual signalling equipment	385.1	r442.0	438.0
281314	Motor vehicle or motor cycle wiring harnesses	n.p.	r*22.3	**26.4
Other automotive components				
281160	Internal combustion engines for motor vehicles or tractors	932.0	r878.4	891.7
281910	Motor vehicle transmission and gearbox assemblies	978.0	r425.9	391.7
281901	Motor vehicle and tractor cranks, crankshafts, camshafts, bearing housing, gears, gearing and flywheels	—	r278.7	158.0
281921	Motor vehicle and tractor cylinder blocks, pistons, rings, connecting rods, valves and manifolds	1 886.3	r558.5	380.2

(a) For 1996-97, value shown against item 281312 is for 281312 and 281317 combined.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96 \$m	1996-97 \$m	1997-98 \$m
Other automotive components <i>continued</i>				
281902	Motor vehicle, tractor and truck gaskets	—	n.p.	**28.7
281922(a)	Fuel, lubricating or cooling medium pumps for use in internal combustion engines of motor vehicles, tractors and forklifts	146.2	r**21.0	—
281903	Motor vehicle, tractor and motor cycle parts and accessories, n.e.c.	451.4	r1 767.3	2 201.9
Ships and boats				
282112	Floating or submersible drilling or production platforms and other floating structures (including cranes)	—	***2.0	—
Ships, boats and other vessels				
282211	Small boats (including rowing or sail), yachts and canoes under 5 tonnes displacement (excluding inflatables)	***110.7	r99.9	118.7
282212	Boats (including rowing or sail), yachts, dinghies and other vessels, for pleasure or sport, of 5 tonnes or more displacement but less than 50 tonnes (excluding inflatable vessels, canoes, surfboards and sailboards)		r118.3	167.9
282213	Cruise ships, ferry and excursion boats, fishing and other vessels, n.e.c., under 50 tonnes displacement for the transport of persons or goods		**162.7	r88.4	62.1
282111	Ships, boats and other vessels of 50 tonnes or more displacement	1 584.1	r1 476.5	1 490.2
Other transport equipment				
282410	Aircraft and aircraft parts	336.4	r384.9	431.5
282310	Locomotives and trams (including underframes); railway rolling stock and parts (including maintenance vehicles and service vehicles; excluding iron or steel forged tyres and wheels)	530.4	r696.2	699.2
282910	Other transport equipment (including bicycles, baby carriages, wheelbarrows and golf buggies) and parts and accessories	**43.0	r**64.1	77.0
Photographic and optical goods				
283110	Cameras and image projectors (including slide or film projectors and microform viewers) and parts	*17.9	508.2	n.p.
283120	Chemical preparations for photographic uses (including emulsions, developers, fixers, intensifiers, reducers, toners and cleaning agents; excluding varnishes)	418.9		n.p.
283130	Sensitised and unexposed photographic plates and film (including instant print)			n.p.
283140	Other photographic equipment (including processing apparatus and projection screens) and parts			—
283153	Microscopes (excluding optical) and diffraction apparatus and parts	—	—	—
283151	Objective lenses; filters and other mounted optical elements	—	—	—
283152	Optical fibres, fibre bundles and cables (excluding cables with individually sheathed fibres)	n.p.	*80.9	n.p.
283154	Ophthalmic instruments and appliances, n.e.c.	—	—	n.p.
224943	Safety eyewear (industrial or sporting)(including goggles)	(b)n.p.	*7.9	7.2
283160	Spectacle and contact lenses	*137.7	91.1	*87.7
283170	Spectacles, sunglasses; frames, mountings and parts	(b)**70.1	*20.6	135.8
Medical and surgical equipment				
283220	Mechano-therapy, massage and psychological aptitude-testing apparatus; ozone, oxygen or aerosol therapy apparatus; artificial respiration or other therapeutic respiration apparatus; other breathing appliances and gas masks (including protective)	n.p.	176.2	108.3

(a) The description for this commodity has changed for 1997-98. For 1995-96 and 1996-97, the description was 'Motor vehicle, tractor and truck medium pumps (for fuel, lubricating or cooling)'.

(b) For 1995-96, goggles were included in 283170 and not 224943.

SALES AND TRANSFERS OUT.....

<i>MIOCC code</i>	<i>Commodity description</i>	1995-96 \$m	1996-97 \$m	1997-98 \$m
Medical and surgical equipment <i>continued</i>				
283210	Surgical, medical, dental (excluding dentures) and veterinary equipment and appliances (including sterilisers, pacemakers, needles, syringes, artificial teeth, joints, limbs or eyes; excluding gas masks, hearing aids and mechano-therapy equipment)	290.5	349.6	356.9
Professional and scientific equipment				
283922	Demonstrational (unsuitable for other purposes) instruments, apparatus and models	***7.1	*62.5	—
283930	Radar equipment, radio navigational aid equipment, radio remote control equipment, direction finding compasses and other navigational instruments	161.6	*52.9	n.p.
283923	Surveying instruments, physical or chemical analysis instruments, electricity meters and other measuring, checking and testing instruments, appliances and parts	324.5	r185.4	342.2
283921	X-ray equipment and parts or accessories	—	—	n.p.
Computers and business machines				
284121	Calculators and other electronic machines incorporating a calculating device (including cash registers, postage-franking and ticket-issuing machines) and parts	n.p.	r*43.9	**32.6
Data processing machines				
284130	Mainframe	—	—	—
284141	Other	r766.7	r802.8	*892.2
284142	Data processing machine parts and accessories (excluding carrying cases and covers)	146.5	r*170.5	*173.5
284161	Goods vending machines, automatic (e.g. cigarette, food or beverage vending machines, money-changing machines)	n.p.	n.p.	**16.9
284110	Photocopying machines and parts	***0.3	**0.8	—
284151	Other electronic office machinery and other accounting machinery (including typewriters, word processors, addressing machines, EFTPOS machines, coin counting machines)	n.p.	n.p.	n.p.
284170	Office machinery parts and accessories, n.e.c.	**46.7	r26.6	**9.0
Telecommunication, broadcasting and transceiving equipment				
284224	Radio broadcast studio equipment, television studio equipment (including cameras), television or radio transmitters, radio transceivers	351.4	r333.3	268.3
285955	Relays and relay sets for radio, telephone and telegraphic equipment	—	*44.1	n.p.
Telephone and telegraph equipment (excluding parts; including electrical line, electronic switchboards, modem equipment, telephones)				
284211	Carrier telephone/telegraph equipment	422.9	r139.9	190.4
284215	Data modem equipment/multiplexors	n.p.	r41.3	51.9
Electronic switchboards				
284213	Processor or micro processor control	77.8	r*24.8	} 186.5
284214	Other	57.8	r177.8	
284216	Keyphones (excluding radio-telephony such as car phones)	**71.9	n.p.	n.p.
284212	Main exchange switching equipment	818.9	r794.3	539.0
Telephones, complete				
284225	Mobile, cellular and car phones	} r**37.5	r277.3	229.0
284217	Other			
284218	Other telephone and telegraph equipment (excluding parts) (e.g. teleprinters and telephone facsimile machines)	**2.3	58.4	*48.0
284223	Telecommunication equipment parts	*171.0	r223.8	228.9

SALES AND TRANSFERS OUT.....

<i>MIOCC code</i>	<i>Commodity description</i>	1995-96 \$m	1996-97 \$m	1997-98 \$m
Other electronic equipment				
284945	Coin or disc operated games (including video games and poker machines)	459.9	r528.7	747.0
284963	Electric or electronic alarm systems and parts	*204.4	r**93.0	*51.7
284966	Electrical capacitors; electronic integrated circuits; electrical resistors (excluding heating); solar cells; electronic valves and tubes	304.0	r*297.1	*210.1
284951	Hearing aids (excluding parts and accessories)	*170.0	*76.0	**20.1
284941	Loudspeakers and other audio-frequency amplifiers (excluding hearing aids)	***1.2	**1.5	—
284964	Magnetic tapes and other prepared unrecorded media for sound or video recording	—	n.p.	**31.7
284920	Radio receiving sets (including car radios and clock radios)	—	**2.7	—
284932	Record, tape or cassette players and sound recording equipment (excluding coin-operated record or compact disc players)	—	n.p.	**73.5
284910	Television receiving sets (including video monitors and projectors)	108.1	r*192.6	n.p.
284222	Satellite receivers	r65.7	r67.1	75.2
284933	Video recording or reproducing equipment (e.g. video cassette recorders)	—	—	n.p.
284952	Other audio and video equipment, parts and accessories	**34.0	r**53.0	n.p.
284961	Static converters (including rectifiers)	**19.7	n.p.	**56.7
284967	Other electronic equipment and parts	287.2	r506.1	454.6
Household appliances				
285100	Clothes washing machines, drying cabinets, tumble dryers and dishwashing machines, domestic	279.8	r311.1	307.1
285131	Electro-thermic appliances, domestic (e.g. kettles, irons, hair dryers, toasters, frypans, coffee or tea makers and electric blankets)			
285112	Fans, domestic (including table, floor, wall, window, ceiling or roof)	28.7	22.7	22.8
285160	Refrigerators and freezers, domestic	478.4	r394.2	417.9
285170	Room air conditioners and coolers (excluding fans)	194.3	r120.2	149.3
285141	Space heating and soil heating apparatus, domestic Electric	19.6	r30.2	26.4
285150	Solid fuel, oil or spirit fired			
285130	Gas fires and space heaters			
285135	Non-electric warm air furnaces, domestic	n.p.	n.p.	n.p.
285120	Stoves, ovens and ranges, domestic (including microwave) Electric	201.3	r142.2	143.0
285110	Gas, solid fuel, oil or spirit fired	146.7	r166.6	112.9
285111	Hoods, having a maximum horizontal side not exceeding 120 cm	n.p.	n.p.	n.p.
285121	Other domestic appliances and parts (including sewing machines, vacuum cleaners, floor polishers, food grinders and food mixers), n.e.c.	56.6	r273.5	170.3
285171	Water heaters, hot water systems and parts Electric	141.7	r128.2	211.2
285151	Solar (including solar systems with conventional backup energy sources); solar collectors for water heating purposes (including swimming pool heaters)	44.6	r*64.1	53.0
285161	Gas and other non-electric	67.9	74.5	66.5
Electrical cable and wire				
285210	Automotive insulated cable, wire or strip	(a)	r163.3	n.p.
285223	Co-axial cable and other co-axial electric conductors Insulated cable, wire and strip	206.9		
285240	Optical fibre cable	317.1	r305.2	335.9
285230	Winding wire	(a)106.1	—	*38.9
285222	Other insulated cable, wire and strip	809.3	r826.3	583.4
285221	Uninsulated copper and aluminium stranded wire, ropes, cables, plaited braids and slings			

(a) For 1995-96, value shown against item 285230 is for 285210 and 285230 combined.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96	1996-97	1997-98
		\$m	\$m	\$m
Batteries				
285310	Dry cell batteries			
	Wet cell batteries			
285320	Automotive (excluding traction or motorcycle)	260.9	r*229.8	**260.7
285330	Other (excluding motorcycle)			
285340	Other batteries (including motorcycle or alkaline) and battery components	**2.7	n.p.	n.p.
Electric lights and signs				
Electric light or lamp bulbs or tubes (including filament, fluorescent, sealed beam lamp units and units for infra-red, ultraviolet or arc lamps; excluding automotive)				
285448	Cold lighting (neon signs, etc.)	*7.4	**10.8	*30.1
285420	Other	*70.7	71.9	71.4
285430	Incandescent light fittings	*81.6	*22.3	*60.8
285445	Illuminated signs, illuminated name plates and the like (having a permanent fixed light source)	109.0	r148.3	71.5
Lighting equipment (excluding automotive)				
Indoor				
285443	Fluorescent	80.3	82.4	101.9
285444	Other (e.g. discharge, other than fluorescent, arc-lighting)	*29.9	17.6	*27.6
Outdoor				
285446	Fluorescent	*38.4	r*37.5	21.7
285447	Other (e.g. discharge, other than fluorescent, arc-lighting)	**110.3	31.6	37.9
285449	Other lighting equipment and parts	*38.4	*62.5	77.6
285441	Ultraviolet or infra-red apparatus (excluding sealed beam lamp units and units for ultraviolet or infra-red lamps)	—	**21.1	***0.2
Other electrical equipment				
285910(a)	Electric motors and parts	259.9	r125.7	..
285911(a)	Electric motors and generators (excluding automotive)	..	..	144.7
285951(b)	Electric generators and transformers (excluding automotive)	**14.0	n.p.	..
285952(b)	Electric generating sets and rotary converters, and parts (excluding automotive)	..	..	n.p.
285964	Electric motor and generator parts (excluding automotive)	n.p.	*2.2	n.p.
285968	Electric heating resistors (excluding carbon)	n.p.	n.p.	n.p.
285961	Electrical apparatus for switching, protecting or for making connections to electrical circuits (including boards, consoles and cabinets equipped with electrical apparatus; excluding inductors)	609.5	r659.8	713.7
285972	Electrical insulators (excluding glass or ceramic); insulation fittings for electrical appliances and machines (excluding ceramic or plastics)	n.p.	n.p.	—
285963	Inductors (including chokes, ballasts used with lighting equipment, current limiting regulators)	**0.6	—	***39.1
285969	Mechanical (including electro-mechanical) signalling, safety or traffic control equipment (including parking meters and traffic signals); railway or tramway fixtures and fittings	n.p.	r66.8	n.p.
285967	Rheostats, potentiometers and resistance boxes	n.p.	**0.3	—
285905(c)	Transformers and parts	265.8	380.1	223.3
Welding and soldering equipment (excluding gas)				
285931	Electrical welding (including arc) equipment (including base metal wire, rods, tubes, plates and electrodes)	n.p.	141.3	n.p.
285965	Machines, equipment and parts for electric soldering and welding (including arc)(e.g. irons and guns)	n.p.	n.p.	n.p.
285962	Fluxes and other auxiliary preparations (including pickling preparations, powders and pastes) for soldering, brazing or welding	—	n.p.	n.p.

(a) From 1997-98, code 285910 has been removed from the MIOCC. A new MIOCC code (285911) has been created and includes, as a component, those items previously included in 285910.

(b) From 1997-98, code 285951 has been removed from the MIOCC. A new

MIOCC code (285952) has been created and includes, as a component, those items previously included in 285951.

(c) The description of this commodity has changed for 1997-98. For 1995-96 and 1996-97, the description was 'Transformers'.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96	1996-97	1997-98
		\$m	\$m	\$m
Other electrical equipment <i>continued</i>				
285973	Other electrical equipment and parts, n.e.c.	442.5	r517.1	625.3
Agricultural and horticultural machinery				
286151	Agricultural or horticultural mechanical appliances for projecting, dispersing or spraying liquids or powders, and parts	*158.7	85.7	*66.5
286140	Agricultural wheeled tractors (excluding crawler tractors)	n.p.	r***1.7	n.p.
286161	Dairy machinery	n.p.	**12.9	***0.5
286130	Harvesting, threshing and haymaking machinery (including straw or fodder balers and agricultural mowers)	*122.8	91.7	154.2
286110	Lawn mowers	115.2	*217.2	85.5
286163	Lawn and sports ground rollers	—	—	—
286164	Machines for cleaning, sorting or grading eggs, fruit or other agricultural produce; feed grinders; poultry incubators and brooders	**46.2	*45.2	***2.5
286120	Ploughing, seeding and planting equipment and parts (including fertiliser distributors, manure spreaders, scarifiers, cultivators, weeders, hoes and harrows; excluding hand tools)	*183.3	r309.5	222.6
286165	Wool presses and other agricultural and horticultural machinery and parts, n.e.c.	*129.5	r*67.4	327.9
Mining and construction machinery				
286241	Bodies and cabs for construction vehicles	n.p.	r***78.6	**55.4
286242	Buckets, shovels, grabs, grips, blades and other construction and earthmoving machinery parts	*303.6	r206.6	*244.9
286232	Bulldozers, tamping machinery, road rollers, pile drivers, snow ploughs, crawler tractors and other moving, grading, levelling, scraping, excavating, compacting or extracting construction machinery, n.e.c.	*36.1	r*47.1	25.5
286210	Construction and earthmoving wheeled tractors	n.p.		n.p.
286252	Crushing and grinding machinery	*350.8	r180.9	180.1
286231	Dumpers designed for off-highway use	n.p.	r*51.5	*12.1
286253	Machinery for mixing or kneading earth, stones, ores or other mineral substances in solid (including powder and paste) form	*26.5	r*41.5	**35.1
286254	Machinery for sorting, screening, separating or washing mineral substances and parts for mineral working machines	*119.5	r*149.4	*149.0
286260	Mining or drilling machinery and parts (including coal or rock cutters, boring, sinking or tunnelling machinery)	276.8	r720.8	783.4
286221	Self propelled front end shovel loaders; mechanical shovels; excavators and shovel loaders with a 360 degree revolving superstructure	n.p.	r***14.0	n.p.
Food processing machinery				
Food and beverage processing machinery and parts				
286980(a)	Bakery and biscuit ovens and parts	**11.2	*40.0	4.2
286321	Cream separators; presses and crushers used for wine, cider or fruit juice production; bakery and biscuit making machinery (excluding ovens); butchery machinery; sugar processing machinery	**42.6	141.2	66.3
286322	Distilling or rectifying plant; heat exchange units; machinery for liquefying air or gas; centrifuges (other than cream separators and clothes dryers; excluding parts); filtering or purifying machinery for beverages other than water	—	n.p.	n.p.
286323	Food packing or wrapping machinery; food or drink canning, bottling and sealing machinery; food or drink can or bottle washing machinery	*55.1	*35.8	*113.3

(a) The description of this commodity has changed for 1997-98. For 1995-96 and 1996-97, the description was 'Bakery and biscuit ovens'.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96	1996-97	1997-98
		\$m	\$m	\$m
Food processing machinery <i>continued</i>				
Food and beverage processing machinery and parts <i>continued</i>				
286325	Parts of machinery, n.e.c., for cleaning food or drink cans or bottles (including parts of dishwashing machines), or for filling, closing, sealing, capsuling or labelling containers for food and drink	**8.5	*35.1	**28.5
286310	Non-domestic cooking or heating machinery for food or drinks	*141.4	*37.3	*31.5
286326	Other food and beverage processing machinery and parts, n.e.c.	*62.4	58.0	*63.6
Machine tools and parts				
286431	Converters, ingot moulds and ladles, casting machines, metal-rolling mills and rolls and parts	—	**10.5	**29.3
286410	Gas welding and cutting equipment (including handheld blow pipes; excluding filler welding rods)	n.p.	n.p.	*47.1
286461	Interchangeable tools for power-operated hand tools; sintered metal plates, sticks and tips; rock drilling and earth boring tools	**14.2	***32.1	*0.5
286432	Machining centres, lathes for removing metal, machine tools and other wood and metal working machinery and parts, n.e.c., (excluding saw blades, metal moulds and dies)	140.6	r*224.9	*443.5
286450	Metal moulds and dies	*413.3	*232.7	*305.5
286462	Metal work holders, tool holders, self-opening die-heads and dividing heads for machine tools, and other machine tool accessories and parts	**92.6	r*196.3	**30.9
286420	Power-operated metal working hand tools; portable electric hand tools; pneumatic hand tools (excluding pneumatic drills for construction)	—	—	***2.3
286440	Saw blades	**26.4	**10.8	**2.6
Lifting and materials handling equipment				
Conveyors, continuous action, for goods and materials				
286532	Specially designed for underground use	*103.6	r**20.9	**19.0
286531	Other	*241.3	260.4	177.9
Elevators, continuous action				
286572	For goods and materials, specially designed for underground use	**31.9	} r*82.1	93.6
286571	Other (including escalators and moving walkways)	*83.3		
286540	Hoists, cranes and other lifting, loading or unloading machinery	93.4	r*451.6	358.1
286560	Other lifting and handling equipment and parts, n.e.c., (including parts for loading or unloading machinery)	*315.4	r*190.3	205.3
286520	Powered store trucks (including those used on railway station platforms, and forklifts)	n.p.	n.p.	n.p.
286510	Wheeled tractors (excluding crawler, agricultural, construction and earthmoving)	—	—	—
Pumps and compressors				
285180	Compressors for refrigerating and air-conditioning equipment	n.p.	n.p.	47.6
Pumps and pumping machinery (including petrol bowsers and air or gas compressors)				
286611	Centrifugal pumps (including axial flow type, multi-stage, jet type, etc.)	241.0	r250.3	457.3
286612(a)	Other pumps and pumping machinery (including petrol bowsers and air or gas compressors) (excluding those in motor vehicles, tractors and forklifts)	*125.5	r120.9	*122.2
286620	Pump (excluding vacuum and manual air pumps) and compressor parts, n.e.c.	*375.8	r*240.8	137.2

(a) The description of this commodity has changed for 1997-98. For 1995-96 and 1996-97, the description was 'Other pumps and pumping machinery (including petrol bowsers and air or gas compressors, n.e.c.)'.

SALES AND TRANSFERS OUT.....

<i>MIOCC code</i>	<i>Commodity description</i>	1995-96 \$m	1996-97 \$m	1997-98 \$m
Commercial space heating and cooling equipment				
286710	Industrial air conditioning units	*352.4	r447.5	301.1
286720	Non-electric iron or steel radiators for central heating, air heaters and hot air distributors incorporating a motor driven fan or blower	n.p.	**31.2	n.p.
Other industrial machinery and equipment				
286970	Bearings and parts	*42.1	r*46.9	n.p.
286986	Calendering or other rolling machines (excluding machines for metals or glass, and parts)	—	—	—
285191	Commercial free-standing refrigeration chests, cabinets, display counters and show cases (including ice-cream making machines and water coolers)	389.0	r146.5	175.9
285192	Cool rooms and freezer rooms, prefabricated	24.6	r**14.2	**22.8
Engines				
286921	Hydraulic and pneumatic power engines or motors, and parts	*180.0	*143.8	*178.5
286911	Internal combustion piston engines (including marine propulsion; excluding automotive)	n.p.	n.p.	—
286955	Steam turbines and other vapour engines; hydraulic turbines and water wheels, and parts	—	—	—
286922	Other engines, turbines and parts, n.e.c.	*8.1	***97.2	n.p.
286958	Dishwashing machines other than household	—	—	—
Dryers				
286982	For agricultural products	—	*6.2	***0.5
286983	Other industrial (excluding parts)	n.p.	**56.2	**17.9
286969	Electric fans, industrial	n.p.	r*32.6	**29.3
286966	Filters and purifying machinery and equipment for liquids or gases (excluding parts)	*121.4	r*70.2	*164.1
Furnaces and ovens, industrial or laboratory				
285966	Electric	n.p.	n.p.	—
286957	Non-electric furnaces, ovens (excluding bakery or biscuit ovens) and incinerators, and parts (including mechanical stokers, graters and ash dischargers)	**146.3	r*89.8	*42.9
286965	Gas or water gas generators	—	—	—
286951	Machine tools for working materials other than metal or wood; laser machine tools for working any material; hand tools with a self-contained motor (excluding parts)	—	***3.0	***2.0
286981	Machinery for preparing or making-up tobacco, and parts	—	—	—
286984	Machinery for making-up or finishing paper pulp, paper or paperboard (including bookbinding machinery), and parts	n.p.	—	**138.5
286985	Machinery for working rubber, plastics or glass, or for the manufacture of products from these materials (excluding parts); isotopic separation equipment and parts	**10.7	*112.7	**9.8
286961	Motorised tanks and other armoured fighting vehicles, and parts	—	—	—
286963	Oil filters, petrol filters and air intake filters for internal combustion engines	n.p.	—	**43.3
286971	Parts for centrifuges (including centrifugal dryers); parts for liquid or gas filtering or purifying machinery	—	n.p.	**13.8
286972	Parts for hand tools with self-contained non-electric motors	—	—	**12.8
286973	Parts for industrial dryers; parts for machines for working rubber, plastics or hot working glass; other special purpose machinery and parts, n.e.c.	**19.0	—	—
286974	Parts for industrial spray guns, steam or sand blasting machines, calendering or other rolling machines (excluding for metal or glass)	—	*29.2	—
Printing machinery and parts				
286941	Office type sheet fed printing machinery and accessories	—	—	—
286942	Other	**41.6	n.p.	**53.8
286962	Roundabouts, swings, shooting galleries and other fairground amusements	—	n.p.	—
286968	Spray guns, industrial; steam or sand blasting machines; fire extinguishers; domestic sprinklers and parts	—	**72.9	—

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96	1996-97	1997-98
		\$m	\$m	\$m
Other industrial machinery and equipment <i>continued</i>				
286930	Textile working and textile treating machinery and parts (including carding, combing, drawing, dyeing, spinning, washing, winding, weaving or knitting machines; excluding industrial sewing machines)	—	**0.5	**4.8
286956	Textile, apparel and leather production machinery and parts, n.e.c. (including industrial sewing machines)	**1.5	—	—
286967	Weighing machinery (excluding balances of a sensitivity of 5 cg or better) and parts (including weights)	**25.4	r***11.8	***6.3
286987	Other general purpose machinery and parts, n.e.c.	509.4	r820.0	581.0

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96 \$m	1996-97 \$m	1997-98 \$m
Prefabricated buildings				
Prefabricated buildings				
Of metal or metal framed				
274240	Aluminium	n.p.	r**26.7	**7.7
	Other metal			
291112	Garages, carports and garden sheds	162.5	150.8	151.7
291113	Transportable buildings	132.2	161.0	193.3
291114	Other (e.g. hangars, farm machinery sheds, hay sheds)	113.8	108.0	96.5
291911	Of concrete (including bus shelters; excluding structural components)	—	*17.3	**2.0
291910	Other prefabricated buildings (including kit homes, container huts, portable toilets, shade houses, survival huts or transportable homes)	*34.1	52.9	64.1
Mattresses (except rubber)				
Mattresses				
292323	Water mattresses	***9.0	**30.0	**18.5
292321	Other (excluding those of, or stuffed with, rubber)	*185.9	230.9	*121.9
292311	Mattress supports (excluding un-upholstered woven wire, link mesh, wire, springs, and those of, or stuffed with, rubber)	*56.9	96.7	**74.2
292322	Pillows, cushions, bolsters, bean bags and stuffed mattress protectors (excluding those of, or stuffed with, rubber)	54.9	*71.0	*139.3
Other furniture				
Non-domestic furniture (excluding wooden, predominantly wooden, or sheet metal)				
292147(a)	Seats, complete and assembled	..	..	*57.2
292152	Seats (other than passenger transport seats) and parts, complete unassembled or partly assembled	**997.8	r*59.6	n.p.
292153	Parts of passenger transport seats		*76.0	103.5
292142(a)	Other, complete and assembled		*96.1	..
292942	Other complete and assembled non-domestic furniture		546.6	772.2
Domestic furniture, complete and assembled				
292922	Metal or predominantly metal (excluding sheet metal; excluding seating)	**122.7	*60.5	**150.1
292930	Other (excluding wooden or metal)	**11.4	*30.2	**4.9
292941	Medical, dental, surgical or veterinary furniture and parts (excluding sheet metal)	—	**58.6	n.p.
292951	Unassembled large scale fabricated metal storage structures and shelving (excluding sheet metal)	—	—	—
292952	Unassembled or partly assembled furniture and parts, n.e.c. (excluding wood and sheet metal)	*30.1	r25.2	*44.4
Other manufactured products, n.e.c.				
294221	Articles for funfair, table or parlour games (including articles and accessories for billiards, snooker or pool, pin tables, special tables for casino games, and bowling alley tables)	**15.9	r*79.5	*72.5
Brooms and brushes				
294910	Paint brushes or rollers, accessories and parts	*32.5	r*48.9	*111.9
294921	Brushes for personal use (e.g. hair brushes, nail brushes, toothbrushes (excluding electric))	*4.2	r n.p.	n.p.
294907	Other brushes, floor mops, brooms and hand-operated mechanical floor sweepers (excluding motorised)	55.1	r*114.4	*86.7
294972	Carbon paper	n.p.	n.p.	n.p.
226221	Handbags, suitcases, bags, travel sets for personal toilet articles, purses, key cases, wallets and billfolds, vanity cases, briefcases, school satchels, spectacle cases and other personal articles n.e.c., of material other than leather	**4.9	**0.5	***0.1

(a) From 1997-98, the MIOCC code 292142 (as used for 1995-96 and 1996-97) has been changed to 292147. In addition, the commodity description has been changed to better describe the item.

SALES AND TRANSFERS OUT.....

MIOCC code	Commodity description	1995-96	1996-97	1997-98
		\$m	\$m	\$m
Other manufactured products, n.e.c. continued				
294121(a)	Jewellery (including worked and semi-precious stones) and silverware	227.4	r313.7	..
294115(a)	Jewellery and silverwear	..	..	312.0
294904	Other articles of precious metal (including articles for technical or laboratory use)	—	n.p.	n.p.
294122	Imitation jewellery (not incorporating precious metal except as plating or as minor constituents; excluding watch straps)	**43.7	r*45.3	*29.3
294950	Metal advertising signs, nameplates and sign-plates (excluding electric)	188.5	r169.0	277.6
294903	Metal (other than precious metal) statuettes and other ornaments	**4.1	—	—
294990	Musical instruments (including parts and accessories)	—	**0.1	**0.7
294960	Pens, pencils and refills, crayons and chalk	**11.8	n.p.	n.p.
294222	Sporting equipment and accessories (including fishing gear and gloves specially designed for use in sport)	195.7	r172.1	174.8
294901	Sterilised surgical sutures, gut	n.p.	n.p.	n.p.
294210	Toys and puzzles, and parts (e.g. dolls' carriages, scooters, model assembly kits; excluding fur or leather)	**19.0	r**25.5	**21.9
294971	Typewriter ribbons and ink pads	n.p.	**8.6	n.p.
283910	Watches (including metal watch straps), watch cases, clocks and parts	**7.3	n.p.	n.p.
294906	Wigs, false beards, eyebrows and eyelashes; switches and the like of human or animal hair or of textile materials	—	—	**15.3
294980	Umbrellas	—	—	**12.6
294908	Other manufactured articles (including unsterilised gut surgical sutures)	308.2	r229.5	147.0

(a) From 1997-98, the MIOCC code 294121 (as used for 1995-96 and 1996-97) has changed to 294115. In addition, the commodity description has changed.

EXPLANATORY NOTES

INTRODUCTION

1 This publication presents the value of sales and transfers out of commodities manufactured in Australia, compiled from a sample survey of manufacturing establishments for 1997–98 with comparative statistics relating to the two previous years.

2 The manufacturing collection is conducted on an annual basis. Businesses selected in the 1997–98 survey were asked to provide data on employment, wages and salaries, turnover and the percentage of goods exported. A sample of approximately 7,000 manufacturing establishments was asked to supply additional information, including the value of sales and transfers out for commodities produced.

3 Details on the value of sales and transfers out of commodities produced have been collected annually from samples of manufacturers commencing with the 1993–94 collection. In years prior to 1993–94, these details were collected as part of the 1989–90 and 1986–87 manufacturing censuses and (prior to that) annually except for 1985–86, when no census was conducted. Data on the quantity of commodities produced are no longer collected as part of the annual manufacturing collection and were last collected for the 1993–94 reference year.

4 The Manufacturing Input-Output Commodity Classification (MIOCC) used in this publication is based on the Australian and New Zealand Standard Commodity Classification (ANZSCC) which was used in the 1993–94 issue of this publication. The MIOCC covers the full range of manufacturing commodities produced and presents data at a broader level (in most cases) than the ANZSCC. The ANZSCC comprises approximately 2,500 commodity categories, whereas the MIOCC used in this publication comprises approximately 1,000 categories.

5 The MIOCC was first used to code sales and transfers out of commodities produced for the 1994–95 collection. However, due to its experimental nature, data for a significant number of commodities for that year are not generally available for publication or dissemination. The classification was modified prior to its use in the 1995–96 collection and slightly further modified for the 1996–97 and 1997–98 collections. Data for the full range of commodities collected are included in this publication.

SCOPE AND COVERAGE

6 The statistics in this publication relate to all manufacturing establishments which operated in Australia during the years ended 30 June 1996, 30 June 1997 and 30 June 1998. Excluded are those manufacturers not employing staff at 30 June of the reference year (such as sole proprietorships or family partnerships) which had not registered as group employers with the Australian Taxation Office. Though a substantial number, these businesses would contribute only marginally to aggregate data were they to be included. Also excluded is the production from establishments predominantly engaged in non-manufacturing activities but which also undertake limited manufacturing activities. However, except for a few commodities, the effect of this on production levels is marginal.

EXPLANATORY NOTES *continued*

STANDARD UNITS

Establishment

7 The establishment is the smallest accounting unit of a business, within a State or Territory, controlling its productive activities and maintaining a specified range of detailed data i.e. the data needed to compile turnover, opening and closing inventories, purchases and transfers in, motor vehicle running expenses, freight and cartage expenses, commission expenses, rent, leasing and hiring expenses, and repair and maintenance expenses. In general, an establishment covers all operations at a physical location, but may consist of a group of locations provided they are within the same State or Territory. The majority of establishments operate at one location only.

Manufacturing establishment

8 A manufacturing establishment is one predominantly engaged in manufacturing activities. The data collected for such establishments cover all activities of the establishment (including non-manufacturing activities). Conversely, there are some establishments predominantly engaged in non-manufacturing activities which also undertake limited manufacturing activities and which are excluded.

9 A small number of manufacturing establishments engage, in a significant way, in a variety of activities which are normally carried out by different industries. For example, a predominantly manufacturing establishment may also undertake significant amounts of wholesaling. In such cases, the original establishment is 'split' into a separate establishment for each significant activity which belongs to a separate industry and the non-manufacturing activity is excluded. For the 1997–98 manufacturing collection, 'significant' was defined as turnover of \$7.3 million or more.

COMMODITY ITEMS COLLECTED

10 Manufacturing establishments were asked to report the value of sales or transfers out of specified products (according to the MIOCC) that they had manufactured or that had been manufactured on commission for them. (See paragraphs 15 to 18 for an explanation of the treatment of transactions which are carried out on a commission basis.)

11 The value of sales and transfers out relates to the sale of goods produced by the business and the sales of goods produced for the business on a commission basis. The value also includes transfers of goods to other establishments of the same business or to related businesses and installation and delivery charges not separately invoiced to customers. Excluded are any products which are transferred to other establishments purely for storage or quality inspection, testing, etc. purposes.

12 Sales are valued net of discounts given and exclusive of excise, sales tax and duties receivable on behalf of the Government. Exports are valued f.o.b. (export freight charges are excluded). However, it was not always possible for manufacturers to net off the value of delivery or installation, so reported values will include these elements in some cases. Transfers to other establishments of the same business are valued, for statistical purposes, at commercial value (i.e. the value which would have applied had the establishments concerned been under separate ownership).

PRODUCT 'MARKET' CONCEPT

13 Generally, the statistics in this publication, along with corresponding imports and exports data, provide a good indicator of the size of the Australian market for a particular product.

14 However, caution is needed when using the data for this purpose for products which have significant amounts manufactured on a commission basis.

COMMISSION MANUFACTURING

15 Manufacturing on a commission basis involves one establishment manufacturing or assembling products using materials provided by another establishment (generally an establishment owned by a different business). The establishment which provides the materials retains ownership of those materials and of the manufactured products made from them.

16 As products can only be sold by their owner, only the owning establishment can report the value of sales (and transfers out) in the manufacturing collection. In the case of commission production, the owning establishment reports the sales (or transfers out) of products made for it on commission whereas the establishment which actually manufactures the products does not report any sales of goods produced as it does not own them.

17 Provided that the owning establishment is a manufacturing establishment and is, therefore, included in the scope of the manufacturing collection, there will be no gaps in market measurement as a result of commission arrangements. However, where products are manufactured on commission for non-manufacturing establishments, the sales value of that manufacturing will not be represented by the statistics in this publication.

18 Commission manufacturing occurs to some extent in most manufacturing industries and quite commonly on behalf of non-manufacturers. However, the scale of commission operations of this type is not generally high, except for products related to textiles, clothing and oils and fats manufacturing industries. Affected to a lesser extent are products related to the meat processing, printing, recorded media and petroleum refining manufacturing industries.

RELIABILITY OF ESTIMATES

19 For information on this subject, see the section Technical Note.

DATA ADJUSTED

20 Data in this issue have been adjusted to allow for lags in processing new businesses to the Australian Bureau of Statistics (ABS) business register, i.e. adjustments have been made to allow for new businesses which had commenced operations but for which details had not been processed to the ABS business register in time for inclusion in the annual manufacturing industry collection. Adjustments of this type will continue to be applied in future periods. The majority of businesses affected by these lags are small in size. As a guide, the effect on 1997–98 total Australian turnover is an adjustment of 0.2%.

EXPLANATORY NOTES *continued*

COMPARABILITY WITH PREVIOUS STATISTICS

21 The 1993–94 collection was the first and only time in which ANZSCC-based commodity production quantity and sales data were collected. Commodity production quantity data have not been collected in the annual manufacturing collection since that time. The 1994–95 collection introduced an experimental MIOCC commodity classification, which was modified prior to its use in the 1995–96 collection. This classification was slightly further modified for the 1996–97 and 1997–98 collections. For further information, see paragraphs 4 and 5.

ACKNOWLEDGMENT

22 ABS publications draw extensively on information provided freely by individuals, businesses, governments and other organisations. Their continued cooperation is very much appreciated: without it, the wide range of statistics published by the ABS would not be available. Information received by the ABS is treated in strict confidence as required by the *Census and Statistics Act 1905*.

INFORMATION PAPER

23 The *Information Paper: Availability of Statistics Related to Manufacturing* (Cat. no. 8205.0) outlines the vast amount of published and unpublished data available from the annual manufacturing industry collection, as well as data from other ABS collections.

COMMODITY PRODUCTION DATA

24 The quarterly publication *Manufacturing Production, Australia* (Cat. no. 8301.0) shows national production quantity data for 28 major commodities. The June and September issues of this publication include additional national annual production quantity data mainly related to foods, textiles, clothing and footwear.

STATE DATA

25 Because of the nature of the sample design, State level commodity production statistics are not available from the annual manufacturing collection. However, State level production quantity data for a limited number of commodity items are available from ABS subannual production collections. For further information about the availability of these data, please contact Joanne Madden on Sydney 02 9268 4219.

RELATED PUBLICATIONS

- 26** Other ABS publications which may be of interest are:
- *Australian Mining Industry, 1996–97* (Cat. no. 8414.0), released on 28 June 1999—Biennial publication
 - *Australian National Accounts: Input-Output Tables, 1995–96* (Cat. no. 5209.0), expected to be released in March 2000—Annual publication
 - *Australian National Accounts: Input-Output Tables, 1995–96 (Product Details)* (Cat. no. 5215.0), expected to be released in March 2000—Annual publication
 - *Information Paper: Availability of Statistics Related to Manufacturing, 1996* (Cat. no. 8205.0), released on 21 March 1996—Irregular publication
 - *Information Paper: Availability of Statistics Related to Manufacturing, 1997* (Cat. no. 8205.0), released on 16 January 1998—Irregular publication
 - *Information Paper: Improvements to ABS Economic Statistics, 1997* (Cat. no. 1357.0), released on 22 August 1997—Irregular publication
 - *International Merchandise Trade, Australia* (Cat. no. 5422.0)—Quarterly publication
 - *Livestock and Meat, Australia* (Cat. no. 7218.0)—Monthly publication
 - *Livestock Products, Australia* (Cat. no. 7215.0)—issued quarterly from September quarter 1998 (previously a monthly publication)
 - *Manufacturing, Australia, 1999* (Cat. no. 8225.0), released on 16 December 1999—Annual publication
 - *Manufacturing Industry, Australia, 1997–98* (Cat. no. 8221.0), released on 13 September 1999—Annual publication
 - *Manufacturing Industry, Australia, Preliminary, 1998–99* (Cat. no. 8201.0), to be released in March 2000—Annual publication
 - *Price Indexes of Articles Produced by Manufacturing Industry, Australia* (Cat. no. 6412.0)—Quarterly publication
- 27** A series of manufacturing industry publications (Cat. nos 8221.1 – 8221.6) is also produced for each State. The publication for New South Wales (Cat. no. 8221.1) also contains selected data for the Australian Capital Territory.

BACK DATA AND UNPUBLISHED STATISTICS

28 A range of manufacturing industry statistics publications is available for previous years. As well, a considerable amount of data from the annual manufacturing collection exists in unpublished form. More detailed information to satisfy individual user requirements may be available on request. A charge is made for providing unpublished information.

EXPLANATORY NOTES *continued*

SYMBOLS AND OTHER USAGES

ABS	Australian Bureau of Statistics
ANZSCC	Australian and New Zealand Standard Commodity Classification
ANZSIC	Australian and New Zealand Standard Industrial Classification
AS	Australian Standard
cc	cubic centimetre
cg	centigram
cm	centimetre
DAP	decorative agglomerated particle
DC	direct current
EFTPOS	electronic funds transfer point of sale
MIOCC	Manufacturing Input-Output Commodity Classification
mm	millimetre
n.e.c.	not elsewhere classified
n.p.	not available for publication
UHT	ultra heat treated
W	watt
*	data subject to standard errors greater than or equal to 25% of the estimate, but less than 50% of the estimate
**	data subject to standard errors greater than or equal to 50% of the estimate, but less than 100% of the estimate
***	data subject to standard errors greater than or equal to the estimate
..	not applicable
—	nil or rounded to zero

TECHNICAL NOTE DATA RELIABILITY

SAMPLE ERROR

1 The data contained in this publication have been obtained from annual samples of manufacturers. As such, these data are subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all manufacturers in the population. The measure of the likely difference as used by the ABS is given by the standard error, which indicates the extent to which an estimate might have varied by chance because the data were obtained from only a sample of units. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if the data had been obtained from all units, and about 19 chances in 20 that the difference will be less than two standard errors.

2 The standard error can also be expressed as a percentage of the estimate, and this is known as the relative standard error. The relative standard error for most of the data contained in this publication is 22% or less for 1997–98 data, 19% or less for 1996–97 data and 24% or less for 1995–96 data. Detailed relative standard errors can be made available on request.

3 The effects of sampling variability have a particular relevance to the data contained in this publication. This is because the sample design is based on a sample of manufacturers classified by industry (who then report a value for all of the individual commodities that they sell or transfer out), rather than being based on a list of manufacturers of the various commodities. The sample is also orientated towards the larger businesses. As a result, it is possible that where the value of sales and transfers out for a particular commodity is shown as nil, this could be purely because no manufacturers of that commodity were selected in the industry-based sample. Commodities with a minimal value of sales and transfers out could be purely of this size for similar reasons. The effect is particularly important where either there are few producers of a commodity or there are many producers of the commodity but they are all (or mainly) small in size.

NON-SAMPLE ERROR

4 The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of inadequacies in available sources from which the population frame was compiled, imperfections in reporting by providers, errors made in collection such as in recording and coding data, and errors made in processing data. Inaccuracies of this kind are referred to collectively as non-sampling error and they may occur in any enumeration, whether it be a full census or a sample.

5 While it is not possible to quantify non-sampling error, every effort is made to reduce it to a minimum. Collection forms are designed to be easy to complete and assist businesses to report accurately. Efficient and effective operating procedures and systems are used to compile the statistics.

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SELF-HELP ACCESS TO STATISTICS

- CPI INFOLINE* For current and historical Consumer Price Index data, call 1902 981 074 (call cost 75c per minute).
- DIAL-A-STATISTIC* For the latest figures for National Accounts, Balance of Payments, Labour Force, Average Weekly Earnings, Estimated Resident Population and the Consumer Price Index call 1900 986 400 (call cost 75c per minute).
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	Perth	08 9360 5140	08 9360 5955
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