

## 37 Polishes

This Report on the Polishes Industry relates to establishments engaged wholly or mainly in the manufacture of wax and other polishes of all types (except french polish) for leather, wood or metal. Impregnated polishing cloths and sponges etc, are included.

This industry corresponds to minimum list heading 279(1) in the Standard Industrial Classification (Revised 1968) which has been used for the first time as a basis of classification in the 1968 census. The definition of this industry however is unchanged from the last detailed Census of Production for 1963 in which it was reported (Part 35).

There were no larger establishments in this industry in Northern Ireland in 1963 and 1968.

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which appear on pages (i) to (iv).

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(c) Including services rendered to other organisations (amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered).

(d) Administrative, technical and clerical employees.

(e) Excluding expenditure for establishments not yet in production.

(f) Acquisitions less disposals.

TABLE 1 Industry summary, 1963 and 1968  
United Kingdom (a) (b)

	Unit	All establishments		
		1963	1968	
Number of enterprises	No.	110	100	
Number of establishments	"	127	110	
Gross output	£'000	29,334	43,256	
Net output	"	13,456	20,785	
Net output per head	£	1,934	3,021	
Sales and work done	£'000	goods produced and work done (c)	26,024	37,174
		merchanted goods and canteen takings	3,357	5,892
Purchases	"	materials for use in production and packaging and fuel	12,319	17,374
		goods for merchandising and canteen purchases	2,558	4,026
Payments to other organisations	"	for work done on materials given out	449	437
		for transport	562	901
		by road		
	"	by rail and other means excluding postal services		157
Stocks and work in progress	"			
Total stocks and work in progress	"	change during year	- 39	+ 614
		at end of year	4,259	6,178
Goods on hand for sale	"	change during year	- 33	+ 170
		at end of year	1,833	2,663
Work in progress	"	change during year	- 15	+ 20
		at end of year	358	410
Materials, stores and fuel	"	change during year	+ 9	+ 424
		at end of year	2,069	3,105
Number employed on average during the year	Th.	total, including working proprietors	7.0	6.9
		operatives	3.6	3.4
		other employees (d)	3.2	3.4
Wages and salaries	£'000	of operatives	1,975	2,669
		of other employees (d)	2,782	4,135
Capital expenditure (e)	"			
Total	"	1,364	755	
New building work	"	440	240	
Land and existing buildings (f)	"	100	- 301	
Plant and machinery (f)	"	567	522	
Vehicles (f)	"	258	294	

(a) For 1968, estimates for establishments not making satisfactory returns and for small establishments, from which only employment data were collected, accounted for 8 per cent. of the total figures in which they were incorporated: of this, unsatisfactory returns accounted for just under 1 per cent. For 1963 the comparable figures were 9 per cent. and under 1 per cent. respectively.

(b) The following information relates to small establishments (employing fewer than 25 persons) in this industry. It includes an estimate for small establishments not making satisfactory returns.

	1963	1968
Number of establishments	82	75
Average number employed		
Working proprietors	96	62
Other persons employed	491	561

Footnotes continued on page 37/2.

TABLE 2 Analysis by size of establishment within the industry, 1968

(i) Output and employment

All establishments: United Kingdom

Number employed on average during the year by the establishment (a)	Estab-lish-ments	Enter-prises (b)	Total number employed on average during the year (a)	Gross output	Net output	Net output per head
1-5	29	29	89	..	..	..
6-10	13	13	89	..	..	..
11-24	23	22	380	..	..	..
25-49	8	8	299	2,305	686	2,294
50-99	12	11	730	5,800	1,986	2,721
100-199	7	7	916	5,759	2,412	2,630
200-399	3	3	920	5,833	2,795	3,038
400 and over	5	5	3,394	19,666	11,026	3,249
Unsatisfactory returns	10	10	64	..	..	..
Total	110	100	6,881	43,256(c)	20,785(c)	3,021(c)

(ii) Employees, wages and salaries

All establishments: United Kingdom

Number employed on average during the year by the establishment (a)	Employees		Wages and salaries		Wages and salaries per head	
	Oper-atives	Others (d)	Oper-atives	Others (d)	Oper-atives	Others (d)
	Number	Number	£'000	£'000	£	£
1-5	..	..	..	..	..	..
6-10	..	..	..	..	..	..
11-24	..	..	..	..	..	..
25-49	164	129	131	175	798	1,355
50-99	379	349	288	474	760	1,357
100-199	561	353	476	392	849	1,109
200-399	474	446	421	533	888	1,194
400 and over	1,579	1,815	1,128	2,224	714	1,225
Unsatisfactory returns	..	..	..	..	..	..
Total	3,443(c)	3,366(c)	2,669(c)	4,135(c)	775(c)	1,228(c)

(a) Including working proprietors.

(b) The sum of the figures for the size groups exceeds the total for the industry to the extent that enterprises made returns for establishments in more than one size group.

(c) Including estimates for establishments employing fewer than 25 persons and for establishments not making satisfactory returns.

(d) Administrative, technical and clerical employees.

TABLE 3 Percentage analysis of employees, by age and sex, 1969 (a)

All establishments: United Kingdom

Ages	Males	Females	All employees
	Per cent.	Per cent.	Per cent.
Under 18	1	3	4
18 and over	59	37	96
All ages	60	40	100

Source: Department of Employment

(a) The percentages relate to the numbers employed (excluding working proprietors) in the chemical industries not elsewhere specified - minimum list heading 279 - at June 1969, the earliest date for which the information is available on the basis of the Standard Industrial Classification (Revised 1968).

## Footnotes to Table 4.

- (a) Some establishments employing fewer than 25 persons were included in returns for larger establishments. For both 1968 and 1963 these amounted to 2 establishments.
- (b) The method of classifying returns to sub-divisions of the industry is explained in the notes; the characteristic products of each sub-division are identified in Table 5.
- (c) The sum of the figures for the sub-divisions exceeds the total for the industry to the extent that enterprises made returns for more than one sub-division.
- (d) Including services rendered to other organisations (amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered).
- (e) Direct sales of goods (excluding canteen takings) made to, and work done for, the general public by larger establishments are included. These amounted to £5,000 in 1968. Similar information is not available for 1963.
- (f) Characteristic products relate only to sub-divisions of the industry.
- (g) For sub-divisions of the industry, this is the ratio of sales of characteristic products to total sales of goods produced and work done. For the industry as a whole, this is the ratio of total sales of principal products by the industry to total sales of goods produced and work done.
- (h) Administrative, technical and clerical employees.
- (i) Excluding expenditure for establishments not yet in production.
- (j) Acquisitions less disposals.

TABLE 4 Analysis of larger establishments, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom (a)

	Unit	Sub-divisions of the industry (b)				Total	
		Polishes and dressings		Other			
		11	12	1963	1968	1963	1968
Number of enterprises (c)	No.	19	14	15	16	34	28
Number of establishments	"	28	19	18	18	46	37
Gross output	£'000	20,403	28,123	6,409	11,481	26,812	39,600
Net output	"	10,379	15,460	1,920	3,569	12,299	19,030
Net output per head	£	1,912	3,112	2,067	2,680	1,934	3,021
Sales and work done	£'000	18,485	24,190	5,302	9,846	23,787	34,033
Sales of characteristic products	"	1,997	3,757	1,072	1,638	3,069	5,384
Index of specialisation (g)	Per cent.	80	69	92	78	92	77
Purchases	£'000	7,799	9,530	3,461	6,377	11,260	15,907
Payments to other organisations	"	1,361	2,249	977	1,437	2,338	3,686
Stocks and work in progress	"	806	607	117	218	513	824
Goods on hand for sale	"	95	49	49	49	144	144
Work in progress	"	54	166	24	11	30	155
Materials, stores and fuel	"	1,479	2,031	197	407	1,675	2,438
Number employed on average during the year	No.	25	10	11	8	14	18
Wages and salaries	£'000	280	319	47	57	327	375
Capital expenditure (i)	"	58	219	67	169	9	388
New building work	£'000	1,415	1,933	476	910	1,891	2,843
Land and existing buildings	"	5,429	4,968	929	1,332	6,358	6,300
Plant and machinery	"	2,729	2,344	607	837	3,336	3,181
Vehicles	"	2,689	2,621	301	488	2,990	3,109
Land and existing buildings	"	1,404	1,669	425	797	1,830	2,466
Plant and machinery	"	2,251	3,203	326	617	2,578	3,819
Vehicles	"	515	712	701	952	548	775
Land and existing buildings	"	837	1,222	1,083	1,263	862	1,228
Plant and machinery	"	374	176	28	44	402	220
Vehicles	"	103	284	*	9	103	13
Land and existing buildings	"	*	(j)	*	(j)	12	289
Plant and machinery	"	367	387	158	179	525	566
Vehicles	"	4	77	3	11	7	88
Land and existing buildings	"	353	385	46	116	399	500
Plant and machinery	"	151	196	12	36	163	231

For notes to this table - see page 37/5.

TABLE 5 Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

Industry sub-division (a)		1963		1968			
		Quantity	Value	Quantity	Value	Enterprises	Entries
		Th.cwt.	£'000	Th.cwt.	£'000	Number	Number
12	Wax, refined, blended, bleached, etc. (excluding polishes incorporating wax)	353	2,237	232	1,449	13	13
11	Polishes (black, white, metal and similar cleaning, dressing and polishing preparations)						
	Floor and furniture						
	Paste	161	2,775	75.8	1,861	17	19
	Liquid	122	2,441	182	3,921	15	18
	Self-polishing emulsions (excluding seals)	102	1,067	205	1,882	11	12
	Seals	63.3	777	68.6	1,124	11	11
	Leather	76.9	2,938	73.7	4,160	13	14
	Car polishes (including pre-cleaners)	53.8	1,221	13.4	471	9	9
	Metal, stove, glass and other polishes and dressings (excluding impregnated cleansing and polishing cloths and pads)	262	2,808	248	3,197	9	11
	Total polishes (black, white, metal and similar cleaning, dressing and polishing preparations)	840	14,029	867	16,615	..	..
12	Inks, stains, dyes and gums for the leather and allied industries	..	966	..	1,381	10	10
12	Foundry facings (including blacking) and other sundry products for foundries, eg core powders, core oils and gum, coal and coke dust	1,596	2,254	1,987	3,575	9	9
12	Impregnated cleansing and polishing cloths and pads						
	For treating metal	..	866	..	567	*	*
	Other	..	..	..	262	*	*
12	Sanitary cleansers, sweeping powders and compositions	369	1,214	251	1,281	14	15
	Other products	..	453	..	1,086	..	..
	Waste products	..	191	..	471	10	10
	Work done	..	..	..	9	*	*
	Total		23,520		29,325	..	..
	Sales in other industries (see Table 6)		1,556		3,083	..	..
	Principal products of this industry sold by establishments in the industry		21,964		26,241	29	33(b)

(a) The number given is that of the sub-division of which the item is a characteristic product. The sales shown are total sales by larger establishments, not merely sales by establishments classified to the sub-division.

(b) This figure represents the total number of returns made for larger establishments in this industry which is less than the total number of establishments shown in Table 4 on account of combined returns covering more than one establishment.

TABLE 6 Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

	1963		1968			
	Quantity	Value	Quantity	Value	Entries	Principal industries in which produced (a)
	Th.cwt.	£'000	Th.cwt.	£'000	Number	
Wax, refined, blended, bleached, etc, (excluding polishes incorporating wax)	48.6	320	..	566	7	16, 26, 34, 101
Polishes (black, white, metal and similar cleaning, dressing and polishing preparations)						
Floor and furniture						
Paste	5.7	108	1.5	38	*	(b)
Liquid			11.5	249	8	31, 32, 42, 146
Self-polishing emulsions (excluding seals)			13.5	132	6	31, 32, 38, 146
Seals	13.6	169				
Leather	16.8	221(c)	215	156	5	18, 30, 38
Car polishes (including pre-cleaners)			..	124	*	30, 32, 33
Sanitary cleansers, sweeping powders and compositions	..	738	..	775	6	32, 40, 42, 88
Inks, stains, dyes and gums for the leather and allied industries			..	1,042	*	29, 34, 38
Foundry facings (including blacking) and other sundry products for foundries, eg core powders, core oils and gum, coal and coke dust	-	-				
Total		1,556		3,083	..	

(a) The references given are to the list of industries at the front of this report.

(b) No significant production was recorded in other industries.

(c) For 1963 includes metal, stove, glass and other polishes and dressings.

TABLE 7 Sales of other than principal products by larger establishments in the industry, 1963 and 1968

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

	1963	1968
	Value	Value
	£'000	£'000
Soap and detergents	407(a)	1,361
Disinfectants and deodorisers	(b)	2,194
Other chemical manufactures	186	405
Other goods	1,230(c)	2,806
Services rendered to other organisations (d)		1,028
Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored)	3,000	5,304
Canteen takings	69	90
Total	4,892	13,189

(a) Including scouring preparations in 1963.

(b) Disinfectants only are included with 'other goods' in 1963.

(c) For 1963 including repair work.

(d) Amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered to other organisations.

TABLE 8 Production of certain principal products of the industry by larger establishments, 1963 and 1968

This Table is not applicable to this industry.

TABLE 9 Purchases by larger establishments of selected principal products of the industry, 1968

This table is not applicable to this industry.

TABLE 10 Purchases by larger establishments in the industry, 1963 and 1968  
Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

	1963		1968	
	Quantity	Cost	Quantity	Cost
Materials for use in production		£'000		£'000
Rubber			..	92
Starch and dextrine			..	104
Vegetable and seed oils (raw, refined, boiled or otherwise modified)	..	(a)		
Linseed			..	129
Other (excluding soya bean)			..	236
Natural gums and resins				
Alkali-soluble resins (including shellac)	..	100	..	91
Other natural gums and resins (including resins used in floor seal manufacture and emulsifiable resins used in self polishing formulations)	..	207	..	82
Mineral oils other than for use as fuels				
White spirit			..	267
Other petroleum solvents	..	(a)	..	227
Other (excluding lubricating oils)			..	62
Petroleum waxes (including paraffin and montan waxes)	..	1,424	..	1,723
Vegetable waxes	..	294	..	174
Other waxes				
Wholly synthetic	..	161	..	183
Other	..	238	..	210
Dyestuffs and pigments, dry or in pulp form (c)				
Synthetic organic pigment dyestuffs, pure or reduced (including pigment dyestuffs, lakes and toners)	..	230	..	162
Other pigments and earth colours (including white lead)			..	175
Pesticide chemicals	..	(a)	..	74
General chemicals (excluding pesticide chemicals and chemicals used for photographic purposes) (d)				
Inorganic chemicals (including inorganic gases)				
Hydrochloric and sulphuric (including oleum) acids			..	24
Ammonia (synthetic and by-product) and ammonium compounds			..	84
Sodium compounds (excluding sodium hypochlorite)			..	368
Other inorganic chemicals and gases (excluding sulphur)			..	71
Organic chemicals (including organic gases)				
Alcohols				
Methanol (methyl alcohol)	..	1,812	..	14
Ethanol (ethyl alcohol)			..	49
Other			..	611
Cellulose derivatives (excluding cellulose acetates)			..	30
Cyclic hydrocarbons (benzene, toluene, xylene, etc)			..	43
Phenols			..	432
Other organic chemicals and gases			..	514
Other chemicals (eg mixtures of inorganic and organic chemicals)			..	179

TABLE 10 (continued)

	1963		1968	
	Quantity	Cost	Quantity	Cost
Materials for use in production (continued)		£'000		£'000
Perfumes	..	123	..	257
Synthetic resins and plastics materials (excluding leathercloth and reinforced plastics)				
Acrylics solutions, emulsions and dispersions			..	164
Styrene polymers and copolymers: solutions, emulsions and dispersions	..	200(e)	..	47
Aminoplastics, polyvinyl acetate solutions, dispersions and thermosetting polyesters, including epoxide resins and resin glass fibre mixtures			..	34
Alkyds (including styrenated alkyds) and unsaturated polyesters	..	(a)	..	117
Phenolics and allied products (including cresylic): resins (the net resin content), solutions, emulsions, dispersions, moulding and extrusion compounds	..		..	39
Silicones and siloxanes (f)	..	236	..	177
Lubricating oils and greases	..	20	Th.gal. 4.4	1
			Th.cwt. 13.8	19
			..	1
Replacement parts for firms' own machinery, plant and vehicles, and accessories and consumable tools bought as replacement				
Tyres and other spare parts for firms' own road goods vehicles	..	115	..	53
Other			..	150
All other materials for use in production	..	2,027	..	2,432
Packaging materials				
Paper and board				
Boxes, cartons, drums and canisters (with or without metal ends) of paper and cardboard	..	570	..	396
Fibreboard packing cases			..	234
Bags and multiwall paper sacks	..	(a)	..	84
Other packaging materials of paper and paperboard (including wrapping and packing paper, moulded pulp units and labels but excluding paper and board for converting into packaging materials) (g)	..	91	..	111
Metal				
Cans and boxes	..	1,643	..	2,539
Barrels, kegs and drums	Thousands 415	140	Thousands 387	171
Timber for manufacture into packing cases (sawn or planed but not plywood), containers wholly or mainly of wood and other wood products for packaging (including wood wool)	..	(a)	..	17
Glass containers	54,583	414	52,580	567
Plastics (other than transparent regenerated cellulose film)				
Film (up to 0.01 inches thick) of polyethylene and other plastic materials	..	(a)	..	30
Moulded and fabricated containers including closures and inserts				
Bottles and bottle caps			..	670
Other (including large containers, and tubes but excluding re-usable crates)	..	697	..	104

Continued on next page.

TABLE 10 (continued)

	1963		1968	
	Quantity	Cost	Quantity	Cost
Packaging materials (continued)		£'000		£'000
All other packaging materials	..	215	..	456
Fuel and electricity (h)	Th. tons		Th. tons	
Coal	8.1	37	12.8	58
Coke (including screenings) and manufactured fuel	2.2	18	..	12
Derv fuel and motor spirit for use in road vehicles	Th. gal.		Th. gal.	
	342	72	458	120
Other liquid fuels (including creosote/pitch mixtures, etc. and liquefied petroleum gases)	{ 1,344	55	3,403	140
	{ ..	7	..	30
Gas	Th. therms		Th. therms	
	{ 214	16	{ ..	18
	{ ..	2		
Electricity	Th. kWh		Th. kWh	
	{ 10,870	79	14,850	121
	{ ..	17	..	44
All other fuels	..	(a)	..	16
Total cost of materials and fuel		11,260		15,907
Goods purchased for merchanting		2,260		3,594
Canteen purchases		78		92
Total cost of purchases		13,598		19,593

(a) Not recorded separately for 1963.

(b) For 1963 described as 'Solvents'.

(c) For 1963 described as 'Dyestuffs and pigments (including blacks)'.

(d) For 1963 described as 'Heavy chemicals (acids, alkalis, alcohols, other inorganic and organic chemicals, compressed gases etc) other than silicones'.

(e) For 1963 'Emulsion polymers (polystyrene, polyvinyl acetates, acrylates)' only.

(f) In 1963 described as 'Silicones'.

(g) Multiwall sacks only specifically excluded for 1963.

(h) Owing to the risk of disclosure of information relating to individual firms, total quantities of electricity generated in firms' own establishments in this industry in 1963 and 1968 cannot be given.

TABLE 11 Transport costs and employment of larger establishments, 1963 and 1968

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

	Unit	1963	1968
Average number mainly employed on transport	No.	162	182
Transport costs			
Wages and salaries	£'000	111	224
Derv fuel and motor spirit	"	72	120
Tyres and other spare parts for road goods vehicles	"	..	53
Payments to other organisations for transport	{ by road by rail and other means excluding postal services	{ 513	{ 824
Costs of operating road goods vehicles			
Insurance	"	10	10
Vehicle licences	"	8	30
Depreciation	"	60	92
Payments to other organisations for repairs and maintenance	"	20	65
Total	"	794(a)	1,562

(a) Excluding tyres and other spare parts for road goods vehicles, not collected separately for 1963.

TABLE 12 Payments for certain services, etc by larger establishments, 1963 and 1968 (a)

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

	Amounts payable	
	1963	1968
Repairs and maintenance to	£'000	£'000
Buildings	37	47
Road goods vehicles	20	65
Plant, machinery and other capital equipment	81	130
Insurance, licensing and depreciation of road goods vehicles (b)	78	132
Rates, excluding water rates	140	233
Hire of plant and machinery	14	39
Postage, telephone, telegrams, cables and telex (c)	109	173
Total	480	819

(a) No deduction is made for these payments to arrive at the figures of net output given in this report.

(b) For details see Table 11.

(c) Excluding Telex for 1963.

TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger establishments, 1968

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

Year ended	Percentage of total returns received	Percentage of total number employed
	Per cent.	Per cent.
1968		
April (a)	0.0	0.0
May	0.0	0.0
June	9.1	4.3
July	0.0	0.0
August	3.0	5.3
September	3.0	1.0
October	3.0	3.2
November	3.0	0.5
December	45.5	33.7
1969		
January	18.2	45.8
February	0.0	0.0
March	15.2	6.2
April (b)	0.0	0.0
	100	100

(a) From 6 April.

(b) To 5 April.