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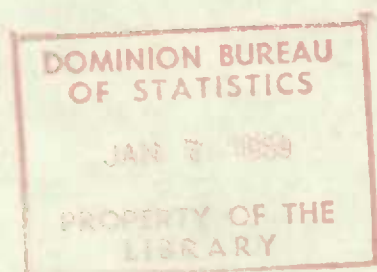
ANNUAL

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THE PRIMARY PLASTICS INDUSTRY

1957



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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** – The Primary Industries, including mining, forestry and fisheries; **Volume II** – Manufacturing; **Volume III** – Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I – General Review of the Manufacturing Industries, \$1.50
- II – The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 50¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 40¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III – Foods and Beverages
- IV – Tobacco and Tobacco Products
- V – Rubber Products
- VI – Leather Products
- VII – Textile Mills
- VIII – Knitting Mills
- IX – Clothing
- X – Wood and Paper Products
- XI – Printing Trades
- XII – Iron and Steel Products
- XIII – Transportation Equipment
- XIV – Non-ferrous Metal Products
- XV – Electrical Apparatus and Supplies
- XVI – Non-metallic Mineral Products
- XVII – Products of Petroleum and Coal
- XVIII – Chemicals and Allied Products
- XIX – Miscellaneous Manufactures

The present report belongs in Part XVIII, Chemicals and Allied Products. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A – General Review, 25¢
- B – The Acids, Alkalies and Salts Industry, 25¢
- C – The Fertilizers Industry, 25¢
- D – The Fertilizer Trade in Canada, 25¢
- E – The Medicinal and Pharmaceutical Preparations Industry, 25¢
- F – The Paints, Varnishes and Lacquers Industry, 25¢
- G – The Primary Plastics Industry, 25¢
- H – The Soaps, Washing Compounds and Cleaning Preparations Industry, 25¢
- I – The Toilet Preparations Industry, 25¢
- J – The Vegetable Oils Industry, 25¢
- K – The Inks Industry, 25¢
- L – The Adhesives Industry, 25¢
- M – The Polishes and Dressings Industry, 25¢
- N – The Compressed Gases Industry, 25¢
- O – The Coal Tar Distillation Industry, 25¢
- P – The Miscellaneous Chemical Products Industry, 25¢

THE PRIMARY PLASTICS INDUSTRY

1957

The value of factory shipments in 1957 reported by firms in the Primary Plastics Industry in Canada amounted to \$91,836,820, an increase of 10.9 per cent over the 1956 total of \$82,738,552.

This industry covers the operations of establishments engaged chiefly in the manufacture of synthetic resins in the forms of rods, sheets, tubes, granules or liquids for use in further manufacture. Included as well are firms manufacturing transparent cellulose film and certain producers of laminates who make their own synthetic resins. Not all producers of synthetic resins were included in this group as some concerns made synthetic resins as secondary, or minor products, or as intermediates for the further use of the producers. Statistics relating to the latter have been included in the appropriate industries which are reviewed in separate bulletins. Separate figures for many of the synthetic resin types made in Canada cannot be published as for the most part they were made by only one or two firms; however, figures for several types available for publication are shown in Table 5 while a special compilation which gives a fairly good summary of the total output of synthetic resins, as gathered up from all industries, is shown in Table 4. A list of the products made by the factories in this group is shown in the directory which appears at the back of this bulletin.

Note: Due to lack of inventory data, figures for value added by manufacture prior to 1954 were obtained by subtracting the cost of materials used, including fuel and electricity from the total value of factory shipments. In 1954 and 1955 the "Value added" adjustment incorporated the increase or decrease to shipments values resulting from changes in the value of inventories over the period. For these two years, the adjustments that were made used only the change in finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the "Value added" figure was further adjusted to take into account the "Goods in process" as well as the finished goods held at point or plant warehouse.

TABLE 1. Principal Statistics of the Primary Plastics Industry, 1947 - 1957

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture ¹	Gross selling value of products ¹
	number		dollars				
1947	10	1,060	2,351,244	203,221	5,176,706	6,402,598	11,782,525
1948	12	1,149	2,770,529	331,932	7,630,498	8,478,317	16,440,747
1949	14	1,286	3,496,087	461,318	10,897,184	9,663,717	21,022,219
1953	19	2,160	7,916,418	904,454	24,497,716	19,139,712	44,541,882
1954	22	2,808	11,190,653	1,685,824	30,973,562	26,892,324	58,881,800
1955	23	3,036	12,332,507	1,490,621	40,264,982	33,760,502	75,052,166
1956							
Quebec	8	1,900	7,962,824	792,170	19,227,954	15,238,316	34,982,374
Ontario	12	763	3,096,598	509,226	18,583,821	11,177,352	30,497,681
Alberta	2	597	2,795,750	461,688	9,100,032	8,471,153	17,258,497
British Columbia	3						
Canada	25	3,260	13,855,172	1,703,084	46,911,807	34,886,821	82,738,552
1957							
Quebec	8	1,976	9,197,597	846,941	18,921,676	16,914,824	36,377,069
Ontario	14	882	3,806,629	663,740	20,617,284	15,100,334	36,211,033
Alberta	4	491	2,342,056	445,170	5,268,680	8,447,670	13,903,332
British Columbia	3	94	363,451	40,061	3,280,945	1,994,748	5,345,386
Canada	29	3,443	15,709,733	1,995,912	48,088,585	42,457,576	91,836,820

¹ See footnote to text.

Note: Separate statistics for this industry were not compiled before 1947.

TABLE 2. Inventories¹, 1957

Province	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening:				
Quebec	2,557,397	603,995	2,301,182	5,462,574
Ontario	2,183,624	507,957	1,635,447	4,327,028
Alberta	1,827,001	28,258	1,083,493	2,938,752
British Columbia	242,248	1,913	147,366	391,527
Canada	6,810,270	1,142,123	5,167,488	13,119,881
Closing:				
Quebec	2,584,157	682,255	2,529,294	5,795,706
Ontario	2,661,003	591,808	1,721,921	4,974,732
Alberta	1,813,507	64,110	1,305,829	3,183,446
British Columbia	236,688	471	119,176	356,335
Canada	7,295,355	1,338,644	5,676,220	14,310,219

¹ Book value of all manufacturing inventories owned and held at plant and plant warehouses.

Note: (1). Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Primary Plastics Industry for the year under review are shown in the above table.

(2). The opening inventory for 1957 does not necessarily agree with the closing inventory for 1956 because of revisions, such as the addition of new plants, the transfer of plants to other industries and plants going out of business, etc. However, the value added figures for the previous year have not been recalculated to allow for the revisions mentioned above.

TABLE 3. Materials and Supplies Used in the Primary Plastics Industry, 1956 and 1957

Material	1956		1957		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Acetic anhydride	lb.	189,893	27,134	141,259	20,867
Alcohol - Butyl (including isobutanol)		1,080,934	169,024	1,113,287	186,810
Ethyl	Imp. gal.	23,232	14,968	14,811	14,112
Isopropyl	lb.	538,037	33,359	531,229	36,941
Methyl	Imp. gal.	1,193,125	385,436	1,274,948	427,423
Casein	"	495,069	122,457	359,066	100,106
Carbon bisulphide	"	4,202,595	241,082	4,421,064	248,063
Cellulose acetate flake	"	34,000	12,077	35,000	9,500
Chlorine, liquid	"	496,821	15,720	517,091	16,461
Cresol (including cresylic acid)	"	669,514	88,620	693,027	89,734
Dyes and pigments	-	-	660,734	-	775,299
Ethyl acetate	lb.	948,376	127,790	1,433,855	186,719
Ethylene glycol	"	4,490,889	702,283	4,775,357	728,526
Fatty acids - Oleic	"	12,051	1,749	9,107	1,397
Stearic	"	61,406	9,446	61,290	9,908
Other	"	1,348,183	180,131	653,444	83,722
Formaldehyde	"	51,691,201	1,866,261	50,599,177	1,877,862
Glycerine	"	3,698,069	1,185,102	3,695,702	1,121,203
Maleic anhydride	"	99,163	26,704	143,990	33,946
Oils, vegetable - Castor	"	1,218,225	194,657	987,677	189,090
Chinawood	"	180,911	51,603	158,506	37,469
Linseed	Imp. gal.	107,623	170,595	148,346	197,843
Soya bean	lb.	6,237,960	907,870	5,879,080	842,220
Tall	"	109,104	7,561	165,227	15,689
Other vegetable oils	-	-	50,489	-	27,210
Pentaerythritol	lb.	1,374,061	426,231	1,139,282	350,350
Phenol	"	22,923,751	3,678,639	22,355,942	3,700,699
Phthalic anhydride	"	7,033,016	1,312,050	6,720,355	1,163,111
Plasticizers (reported as such)	"	2,823,567	1,029,773	4,430,092	1,279,586
Resorcinol	"	154,145	113,259	119,298	82,149
Sodium hydroxide (caustic soda)	"	21,828,322	558,473	21,241,696	548,941
Sulphuric acid, 100%	"	34,034,648	499,231	33,197,374	489,151
Urea crystals	"	6,391,461	343,016	6,051,515	321,710
Wood pulp	"	39,381,839	4,013,863	38,924,708	3,915,226
Wood flour	"	3,052,295	75,796	2,290,977	58,912
Xylol	"	3,892,155	190,473	2,651,765	142,097
All other materials and process supplies	-	-	25,851,154	-	27,162,009
Shipping containers and packaging materials	-	-	1,566,997	-	1,596,524
Total	-	-	46,911,807	-	48,088,585

TABLE 4. Factory Shipments of Synthetic Resins¹ in Canada, 1949-1957 (From all industries)

Year	Selling value at works
	\$
1949	14,371,000
1950	19,068,000
1951	23,097,000
1952	19,100,000
1953	26,251,000
1954	36,647,000
1955	49,430,000
1956	50,530,000
1957	54,930,000

¹ (a). Includes casein-type, vinyls, polystyrene, alkyds, phenol-formaldehyde, urea-formaldehyde, sodium carboxymethyl-cellulose, polyethylene, cellulose acetate, nylon flake, etc.

(b). Includes only resins made for sale as there is no adequate record of resins made for own or captive use.

TABLE 5. Factory Shipments¹ of Specified Synthetic Resins, 1956 and 1957

Type	1956		1957	
	Quantity ²	Selling value at works	Quantity ²	Selling value at works
	lbs.	\$	lbs.	\$
Alkyd (excluding polyester)	15,988,593	5,172,376	15,898,248	5,136,187
Phenol-formaldehyde	51,872,298	9,212,336	49,068,751	8,940,177
Urea-formaldehyde	14,161,995	1,511,250	14,001,044	1,759,420
Vinyl chloride	³	³	29,878,341	9,339,275

¹ Does not include resins made for own or captive use such as alkyds in paints, phenol-formaldehyde in laminates; however, phenol-formaldehydes and urea-formaldehydes sold as glues are included in the relevant categories.

² Includes all forms; moulding powders, solutions, etc. as reported which in some instances (e.g. glues) was gross weight of product and, therefore, quantity data are not necessarily indicative of total net weight of resin produced.

³ Not available.

TABLE 6. Principal Statistics of the Primary Plastics Industry, Grouped According to Size of Establishment, 1956 and 1957

Establishments reporting a value of factory shipments	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
1956						
\$50,000 to \$99,999	2	23	61,473	5,827	204,574	292,172
\$100,000 to \$199,999	1					
\$200,000 to \$499,999	3	45	177,211	19,968	965,418	1,088,382
\$500,000 to \$999,999	3	73	264,329	57,402	1,619,007	2,378,450
\$1,000,000 to \$4,999,999	10	856	3,480,214	467,464	15,950,834	25,450,659
\$5,000,000 and over	6	1,981	8,496,630	1,152,423	28,171,974	53,528,889
Head offices	—	282	1,375,315	—	—	—
Total	25	3,260	13,855,172	1,703,084	46,911,807	82,738,552
1957						
\$50,000 to \$99,999	2	35	109,105	21,355	403,487	627,892
\$100,000 to \$199,999	3					
\$200,000 to \$499,999	3	67	270,236	35,859	1,778,138	2,502,019
\$500,000 to \$999,999	2					
\$1,000,000 to \$4,999,999	12	708	2,919,629	451,490	17,273,944	27,444,939
\$5,000,000 and over	7	2,326	10,739,436	1,487,208	28,633,016	61,261,964
Head offices	—	307	1,671,327	—	—	—
Total	29	3,443	15,709,733	1,995,912	48,088,585	91,836,820

TABLE 7. Employees and their Earnings in the Primary Plastics Industry, 1956 and 1957

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
						dollars		
1956								
Quebec	564	215	1,066	55	1,900	3,760,859	4,201,965	7,962,824
Ontario	155	56	530	22	763	978,943	2,117,655	3,096,598
Alberta and British Columbia	211	47	333	6	597	1,173,770	1,621,980	2,795,750
Canada	930	318	1,929	83	3,260	5,913,572	7,941,600	13,855,172
1957								
Quebec	606	226	1,091	53	1,976	4,384,913	4,812,684	9,197,597
Ontario	211	67	584	20	882	1,315,644	2,490,985	3,806,629
Alberta and British Columbia	214	54	314	3	585	1,219,035	1,486,472	2,705,507
Canada	1,031	347	1,989	76	3,443	6,919,592	8,790,141	15,709,733

TABLE 8. Production Workers, by Months, 1956 and 1957

Month	1956			1957		
	Male	Female	Total	Male	Female	Total
	number					
January	1,882	86	1,968	1,966	78	2,044
February	1,923	87	2,010	1,984	76	2,060
March	1,912	83	1,995	1,992	76	2,068
April	1,884	78	1,962	1,998	77	2,075
May	1,947	82	2,029	2,031	81	2,112
June	1,970	89	2,059	2,049	80	2,129
July	2,025	87	2,112	2,061	79	2,140
August	1,989	89	2,078	2,027	80	2,107
September	2,025	82	2,107	1,988	75	2,063
October	1,615	82	1,697	1,955	74	2,029
November	1,986	84	2,070	1,925	69	1,994
December	2,018	78	2,096	1,908	69	1,977
Average	1,929	83	2,012	1,989	76	2,065

TABLE 9. Capital and Repair Expenditures in the Primary Plastics Industry, 1953-1957

Year	Capital expenditures			Repair and maintenance expenditures			Total capital and repair expenditures
	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Sub-total	
	thousands of dollars						
1953	1,273	13,267	14,540	227	1,065	1,292	15,832
1954	297	1,932	2,229	295	1,524	1,819	4,048
1955	682	1,918	2,600	291	1,834	2,125	4,725
1956	1,978	4,809	6,787	320	1,754	2,074	8,861
1957 ¹	1,434	4,408	5,842	415	2,681	3,096	8,938

¹ Preliminary.

TABLE 10. Imports into Canada of Plastics and Manufactures Thereof, 1956 and 1957

Item	Value	
	1956	1957
	dollars	
Casings, synthetic, for meats and meat products	422,608	433,569
Esters, or ethers, or combinations thereof, of cellulose, without admixture	1,642,483	1,923,859
Esters, or ethers, or combinations thereof, of cellulose, compounded with other materials, for moulding, casting, extruding or pressing	1,006,226	973,686
Foamed and expanded cellulose plastics in blocks, boards, granules or powder	14,613	106,600
Compositions of esters or ethers of cellulose with other materials, n.o.p.	51,108	57,473
Cellulose plastic plates, sheets, strip, film, blocks, bars, rods, tubes or other primary shapes	1,592,036	1,643,180
Reinforced or supported cellulose plastic plates, sheets, strip, tubing, blocks, bars, rods, in which is incorporated a layer of paper, fibreboard or textile fabric, or a core of fibres, whether matted or otherwise	550,436	335,380
Laminated moulded plastic products having cellulose plastics as the chief binding agents	269,589	209,582
Cellulose nitrate sheets with turned edges, for the production of printers' engravings	138,722	114,454
Manufactures of cellulose plastics, n.o.p.	1,628,896	1,960,150
Manufactures of regenerated cellulose, n.o.p.	1,695,135	1,873,304
Synthetic resins without admixture	17,731,090	18,540,351
Synthetic resins in solutions or solvents	4,313,072	4,776,623
Synthetic resins compounded with other materials for moulding, casting or extruding, including uncured preforms or blanks for compression moulding	4,582,761	4,400,971
Foamed and expanded synthetic resins in logs, blocks, boards, flakes, granules or powder	605,071	928,325
Synthetic resin compositions, n.o.p.	1,699,446	2,090,894
Synthetic resins or protein plastics in bars, rods, sheets, plates, strip, film, tubing or other primary shapes, n.o.p. whether coated or decorated or not	9,546,292	9,579,638
Reinforced or supported synthetic resin plates, sheets, strip, blocks, tubing, bars, rods, in which is incorporated a layer of paper, fibreboard or textile fabric, or a core of fibres, whether matted or otherwise	1,538,314	1,964,225
Laminated moulded plastic products having synthetic resins as the chief bonding agents	721,601	855,710
Manufactures, n.o.p. of synthetic resins, or of protein plastics	14,621,136	16,145,784

TABLE 11. Exports from Canada of Synthetic Resins and Synthetic Resin Products, 1956 and 1957

Item	1956	1957
Synthetic resins, n.o.p. lb.	20,587,909	27,683,852
..... \$	10,095,006	10,279,782
Synthetic resins, manufactures of	\$ 1,581,456	2,516,811
Polystyrene resin	lb. 21,104,400	24,257,000
..... \$	6,174,136	6,845,502

TABLE 12. Exports of Synthetic Resins and Plastics from the United States to Canada, 1956 and 1957

(From the "United States Exports of Domestic and Foreign Merchandise")

Item	1956		1957	
	Quantity	Value	Quantity	Value
	pounds	\$	pounds	\$
Ester gums, except laminated	2,898,000	559,000	3,414,000	768,000
Styrene polymer and copolymer resins, 60 per cent or more styrene	4,651,000	1,468,000	5,791,000	1,876,000
Alkyd resins	8,227,000	2,182,000	8,146,000	2,322,000
Vinyl and vinyl copolymer resins, uncompounded	15,704,000	4,280,000	13,308,000	3,506,000
Vinyl and vinyl copolymer resins, compounded	2,696,000	958,000	2,536,000	966,000
Vinyl and vinyl copolymer resins, semi-finished	1,041,000	874,000	1,926,000	1,376,000
Vinyl resin scrap in any form	77,000	16,000	198,000	23,000
Tar acid resins, powder, flake, lump, etc.	9,290,000	2,402,000	8,998,000	2,567,000
Urea-formaldehyde, melamine-formaldehyde and other amine resins	9,431,000	2,891,000	8,798,000	2,869,000
Resins, n.e.c., unfinished and semi-finished	34,280,000	9,267,000	43,479,000	10,945,000
Film and sheeting, synthetic resin	9,351,000	7,371,000	9,440,000	7,264,000
Phenol and cresol-formaldehyde laminated sheets, plates, etc. ..	701,000	902,000	622,000	754,000
Laminated and moulded-laminated plastics, n.e.c.	1,809,000	1,376,000	2,214,000	1,590,000
Cellulose ethers and derivatives in all unfinished forms	546,000	457,000	547,000	464,000
Cellulose nitrate scrap and film scrap	1,000	1,000	25,000	9,000
Cellulose nitrate sheets, rods, tubes and similar forms	168,000	243,000	122,000	203,000
Cellulose acetate moulding and extrusion compositions	1,778,000	970,000	1,985,000	1,104,000
Cellulose acetate plastics for other uses, in unfinished forms	3,102,000	2,638,000	3,446,000	3,120,000
Cellulose acetate plastic scrap in any form	62,000	10,000	44,000	5,000
Regenerated cellulose, excluding rayon, in rolls and sheets	649,000	483,000	803,000	586,000
Vulcanized fiber sheets, rolls and other shapes made therefrom ..	1,373,000	618,000	1,227,000	633,000

TABLE 13. Fuel and Electricity Used in the Primary Plastics Industry, 1956 and 1957

Kind	1956		1957		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Bituminous coal (a) from Canadian mines	ton	34,125	384,422	30,576	358,046
(b) Imported	"	4,456	47,471	4,169	49,038
Gasoline	Imp. gal.	74,983	27,177	94,414	35,765
Kerosene or coal oil	"	1,059	286	969	271
Fuel oil	"	2,123,417	213,481	2,382,802	262,861
Gas (a) Liquefied petroleum gases	"	80,093	13,471	70,880	11,548
(b) Other manufactured gas	M cu. ft.	6,119	5,961	5,120	4,117
(c) Natural gas	"	2,300,211	314,716	2,845,760	412,842
Other fuel	—	—	215,727	—	247,815
Electricity purchased	kwh.	89,338,591	480,372	104,724,005	613,609
Total	—	—	1,703,084	—	1,995,912
Electricity generated for own use	kwh.	12,366,056	—	19,234,452	—

List of Firms in the Primary Plastics Industry, 1957

Name and location of plant	Principal product made
Quebec:	
Canadian Plastics Limited, 1850 St., Antoine St., Montreal	Synthetic resin (Casein type)
Canadian Resins & Chemicals Limited, Cedar Ave., Shawinigan Falls	Synthetic resin (vinyl chloride type); vinyl film, sheeting and granular; dioctyl phthalate; 2 ethyl hexanol; vinyl chloride monomer; plasticizers
Dupont Company of Canada Limited, Shawinigan Falls	Cellulose film ("Cellophane") cellulose sponges; polyethylene film
Monsanto (Canada) Limited, 425 St. Patrick St., Ville La Salle	Synthetic resin (polystyrene, vinyl chloride, phenol formaldehyde resorcinol and melamine types); plasticizers; varnish; oil additives
Panelyte Division, St. Regis Paper Co. (Canada) Ltd., Montcalm Blvd., St. Jean	Synthetic resin (for own use) (phenol-formaldehyde type); laminated plastic sheets, rods and tubes; door panels
Reichhold Chemicals (Canada) Limited, Ste. Therese de Blainville	Synthetic resin (phenol-formaldehyde and urea-formaldehyde types); phthalic anhydride
Trilon Chemical Limited, 260 Victoria St., Lachine	Synthetic resin (urea-formaldehyde type)
Waldor Enterprises Ltd., 7498-19th Ave., Ville St. Michel	Synthetic resin (compounded only)
Ontario:	
Eakelite Company, Division of Union Carbide Canada Limited, Belleville	Synthetic resins (phenol-formaldehyde type); phenolic impregnated and laminated sheets; formaldehyde
Canadian General Electric Co. Ltd., 940 Lansdowne Ave., Toronto	Synthetic resin (alkyd type)
Dow Chemical of Canada Limited, Sarnia	Synthetic resin (polystyrene type); latex; styrene
Goodrich, B.F., Chemical Col., 251 King St. W., Kitchener	Synthetic resin (compounded only) (vinyl chloride type)
Goodrich, B.F., Chemical Co., Port Robinson	Synthetic resin (vinyl chloride type)
Kayson Rubber & Plastics Limited, 144 Water St. S., Galt	Synthetic resin (compounded only) (cellulose acetate, polyethylene, polystyrene and vinyl chloride types) (polystyrene types)
Kaydot Chemical Ltd., P.O. Box 72, Galt	Synthetic resin
Polyresins Limited, Beechwood Drive, Toronto	Polyvinyl acetate emulsions
Reichhold Chemicals (Canada) Limited, 1919 Wilson Ave., Weston	Synthetic resin (alkyd and phenol-formaldehyde type)
Bohr & Haas Company of Canada Ltd., 2 Manse Rd., West Hill	Synthetic resin (alkyd type); agricultural dusts & sprays, epoxidized soyabean oil
Schenectady Varnish Canada Ltd., 409 Comstock Rd., Scarborough	Synthetic resin (alkyd and phenol-formaldehyde types); insulating varnish
T O F of Canada Ltd., Cornwall	Cellulose film
Mercury Chemical Corp. (Canada) Ltd., St. David St., Lindsey	Synthetic resin (compounded only) (phenol-formaldehyde type)
Woburn Chemicals Limited, 184 Laird Drive, Leaside ...	Synthetic resin (alkyd type); processed oils
Alberta:	
American Marietta Co. of Canada Ltd., Edmonton	Synthetic resin (phenol-formaldehyde and urea-formaldehyde type)
Canadian Chemical Co. Ltd., Box 99, Edmonton	Synthetic resin (cellulose acetate type)
Canadian Industries (1954) Limited, P.O. Box 428, Edmonton	Synthetic resin (polythene type)
Monsanto Canada Limited, Edmonton	Synthetic resin adhesives
British Columbia:	
American Marietta Company of Canada Limited, Keary St., New Westminster	Synthetic resin (phenol-formaldehyde and urea-formaldehyde type)
Monsanto Canada Limited, 1550 Rand Ave., Vancouver	Casein glues, wood preservatives, weed killers, synthetic resin glues
Reichhold Chemicals (Canada) Limited, Foot of Douglas St., Port Moody	Synthetic resins (phenol-formaldehyde, urea-formaldehyde and alkyd types)

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