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**MANUFACTURERS OF PLASTICS  
AND SYNTHETIC RESINS**

**1966**

**ANNUAL CENSUS  
OF MANUFACTURES**

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MANUFACTURERS OF PLASTICS AND SYNTHETIC RESINS  
(S.I.C. 373)

1966

For statistical purposes the industry titled Manufacturers of Plastics and Synthetic Resins in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing synthetic resins in such forms as powders, granules, flakes, liquids or simple sheets. This industry also includes establishments primarily engaged in manufacturing transparent cellulose film; however, establishments primarily engaged in making film as such from purchased resins are classified in the Plastic Fabricators, n.e.s. (S.I.C. 385) industry. Not all producers of synthetic resins are included in this industry as some concerns make synthetic resins as secondary products, or as intermediates for the further use of the producer, e.g., in the manufacture of laminates, paints, etc. Statistics relating to the latter have been included in the appropriate industries which are reviewed in separate bulletins.

Value of shipments and other revenue (manufacturing and non-manufacturing) of the Manufacturers of Plastics and Synthetic Resins industry totalled \$196.6 millions, an increase of \$5.3 millions over 1965. This amount included shipments of synthetic resins (actually made or compounded) valued at \$97.7 millions, shipments of other products (secondary products) valued at \$58.8 millions, and other revenue of \$38.4 millions.

This industry's shipments of synthetic resins represented 61.7 per cent of this manufacturing revenue. Secondary products shipped by this industry in 1966 included cellulose film, adhesives, glycols, varnishes and stains, plasticizers, brakefluid, etc.

The cost of materials and supplies, etc. used in the production of goods of own manufacture increased by \$4.5 millions. Cost of material and supplies, etc. (inputs) in 1966 represented 55.3 per cent of the value of shipments of own manufacture (outputs) compared to 54.2 per cent in 1965.

NOTE

The detailed "Concepts and Definitions" notes, usually carried each year, have been omitted from this 1966 report for reasons of economy. Reference to these notes may be had by consulting any 1965 report in this series. Failing this, a copy may be obtained free of charge upon application to the Manufacturing and Primary Industries Division of the Bureau.

SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- † revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1. PRINCIPAL STATISTICS, 1961-66

Year and province	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
No.		'000			\$'000				\$'000		\$'000		
<b>1961</b>													
Totals .....	31	1,957	4,400	10,090	3,656	60,259	111,345	48,104	-	-	3,466	19,356	51,879
<b>1962</b>													
Totals .....	28	1,955	4,387	10,487	3,814	65,747	128,071	59,832	-	-	3,509	20,088	64,100
<b>1963</b>													
Totals .....	29	2,036	4,540	11,125	3,960	70,412	139,085	64,033	-	-	3,620	20,984	67,870
<b>1964</b>													
Totals .....	34	2,150	4,908	12,052	4,238	76,098	155,698	75,012	x	x	3,769	22,745	80,960
<b>1965</b>													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	7	976	2,261	5,884	2,176	32,521	69,699	34,814	-	-	1,784	11,282	36,500
Ontario .....	20	898	2,078	4,854	1,421	31,891	54,197	21,081	-	-	1,431	8,609	22,712
Manitoba .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	4	323	736	2,059	854	15,462	31,588	15,230	-	-	610	4,030	15,952
British Columbia .....	3												
Yukon and Northwest Territories ...	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	34	2,197	5,055	12,797	4,451	79,873	155,483	71,125	-	-	3,825	23,920	75,164
<b>1966</b>													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	7	1,017	2,301	6,484	2,358	30,439	64,321	32,482	-	-	1,812	12,050	37,845
Ontario .....	22	x	x	x	x	x	x	x	-	-	x	x	x
Manitoba .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	4	x	x	x	x	x	x	x	-	-	x	x	x
British Columbia .....	3	43	88	244	66	5,517	8,163	2,632	-	-	109	750	2,652
Yukon and Northwest Territories ...	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	36	2,415	5,503	14,706	4,886	83,926	158,211	71,744	-	-	4,029	26,575	79,674

TABLE 2. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON VALUE OF REPAIRS OF GOODS BY OWN MANUFACTURE, 1965 AND 1966

Size group	Estab- lish- ments	Manufacturing activity						Total activity					
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			\$'000			\$'000		\$'000			
<b>1965</b>													
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-		
\$ 10,000 to \$ 24,999	-	-	-	-	-	-	-	-	-	-	-		
25,000 "	-	-	-	-	-	-	-	-	-	-	-		
50,000 "	3	9	16	27	2	211	285	71	-	-	47	56	95
100,000 "													
200,000 "	5	39	95	153	30	1,126	1,977	795	-	-	65	191	833
500,000 "	1	22	56	135	32	1,043	1,749	698	-	-	39	248	700
1,000,000 "	14	366	789	1,909	450	20,803	30,573	9,694	-	-	589	3,436	11,847
5,000,000 and over	9	1,761	4,099	10,573	3,938	56,689	120,900	59,868	-	-	3,018	19,017	61,725
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	97	772	(35)
<b>Totals</b>	<b>34</b>	<b>2,197</b>	<b>5,055</b>	<b>12,797</b>	<b>4,451</b>	<b>79,873</b>	<b>155,483</b>	<b>71,125</b>	<b>-</b>	<b>-</b>	<b>3,825</b>	<b>23,920</b>	<b>75,166</b>
<b>1966</b>													
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 "	-	-	-	-	-	-	-	-	-	-	-	-	-
50,000 "	8	59	134	233	40	1,432	2,282	871	-	-	95	484	911
100,000 "													
200,000 "	6	53	115	252	48	3,033	4,221	1,336	-	-	81	481	1,356
500,000 "	12	343	731	1,957	469	19,850	29,368	9,577	-	-	535	3,393	10,229
1,000,000 "	10	1,960	4,522	12,264	4,329	59,611	122,340	59,961	-	-	3,195	21,122	67,191
5,000,000 and over	...	...	...	...	...	...	...	...	...	...	123	1,094	(13)
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	123	1,094	(13)
<b>Totals</b>	<b>36</b>	<b>2,415</b>	<b>5,503</b>	<b>14,706</b>	<b>4,886</b>	<b>83,926</b>	<b>158,211</b>	<b>71,744</b>	<b>-</b>	<b>-</b>	<b>4,029</b>	<b>26,575</b>	<b>79,874</b>

TABLE 3. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON MANUFACTURING VALUE ADDED, 1965 AND 1966

Size group	Estab- lish- ments	Manufacturing activity						Total activity					
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			\$'000			\$'000		\$'000			
<b>1965</b>													
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-		
\$ 10,000 to \$ 24,999	-	-	-	-	-	-	-	-	-	-	-		
25,000 "	3	9	16	27	2	211	285	71	-	-	17	56	95
50,000 "													
100,000 "	6	48	115	199	34	2,408	3,317	855	-	-	72	416	899
200,000 "	6	92	211	432	69	3,534	5,648	2,080	-	-	134	742	2,119
500,000 "	8	192	401	998	215	11,196	16,867	5,470	-	-	326	1,897	7,252
1,000,000 "	7	773	1,815	4,397	1,568	31,275	53,042	20,325	-	-	1,206	7,270	21,030
5,000,000 and over	4	1,083	2,498	6,743	2,563	31,248	76,325	42,324	-	-	1,973	12,767	43,803
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	97	772	(35)
<b>Totals</b>	<b>34</b>	<b>2,197</b>	<b>5,055</b>	<b>12,797</b>	<b>4,451</b>	<b>79,873</b>	<b>155,483</b>	<b>71,125</b>	<b>-</b>	<b>-</b>	<b>3,825</b>	<b>23,920</b>	<b>75,166</b>
<b>1966</b>													
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 "	4	20	45	84	13	460	648	185	-	-	32	148	238
50,000 "													
100,000 "	8	49	107	257	44	3,920	4,978	1,245	-	-	92	610	1,243
200,000 "	4	96	204	443	96	2,613	3,968	1,401	-	-	129	656	1,951
500,000 "	6	107	230	581	118	7,967	12,083	4,064	-	-	199	1,254	4,112
1,000,000 "	10	1,096	2,565	6,356	1,562	41,053	66,127	22,694	-	-	1,648	10,452	29,217
5,000,000 and over	4	1,047	2,351	6,985	3,054	25,913	70,407	42,154	-	-	1,806	12,360	42,000
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	123	1,094	(13)
<b>Totals</b>	<b>36</b>	<b>2,415</b>	<b>5,503</b>	<b>14,706</b>	<b>4,886</b>	<b>83,926</b>	<b>158,211</b>	<b>71,744</b>	<b>-</b>	<b>-</b>	<b>4,029</b>	<b>26,575</b>	<b>79,874</b>

TABLE 4. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON TOTAL VALUE ADDED, 1965 AND 1966

Size group	Estab- lish- ments	Manufacturing activity						Total activity						
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added	
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages		
No.		'000			\$'000				\$'000		\$'000			
<b>1965</b>														
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-		
\$ 10,000 to \$ 24,999	3	9	16	27	2	211	285	71	-	-	17	56	95	
25,000 " 49,999		6	48	115	199	34	2,408	3,317	855	-	-	72	416	899
50,000 " 99,999		6	92	211	432	69	3,534	5,648	2,080	-	-	134	742	2,119
100,000 " 199,999		5	97	195	483	93	5,380	8,517	3,229	-	-	174	990	3,456
200,000 " 499,999		10	868	2,021	4,912	1,691	37,092	61,391	22,565	-	-	1,358	8,177	24,826
500,000 " 999,999	4	1,083	2,498	6,743	2,563	31,248	76,325	42,324	-	-	1,973	12,767	43,803	
1,000,000 " 4,999,999	10	868	2,021	4,912	1,691	37,092	61,391	22,565	-	-	1,358	8,177	24,826	
5,000,000 and over	4	1,083	2,498	6,743	2,563	31,248	76,325	42,324	-	-	1,973	12,767	43,803	
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	97	772	(35)	
<b>Totals</b>	<b>34</b>	<b>2,197</b>	<b>5,055</b>	<b>12,797</b>	<b>4,451</b>	<b>79,873</b>	<b>155,483</b>	<b>71,125</b>	<b>-</b>	<b>-</b>	<b>3,825</b>	<b>23,920</b>	<b>75,164</b>	
<b>1966</b>														
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-		
\$ 10,000 to \$ 24,999	4	20	45	84	13	460	648	185	-	-	32	148	238	
25,000 " 49,999		8	49	107	257	44	3,920	4,978	1,245	-	-	92	610	1,244
50,000 " 99,999		3	60	135	240	35	1,342	2,248	913	-	-	73	334	922
100,000 " 199,999		6	107	230	581	118	7,967	12,083	4,064	-	-	199	1,254	4,118
200,000 " 499,999		10	945	2,207	5,448	1,416	35,211	53,946	18,420	-	-	1,341	8,400	20,647
500,000 " 999,999	5	1,234	2,779	8,096	3,261	35,025	84,308	46,916	-	-	2,169	14,735	52,518	
1,000,000 " 4,999,999	10	945	2,207	5,448	1,416	35,211	53,946	18,420	-	-	1,341	8,400	20,647	
5,000,000 and over	5	1,234	2,779	8,096	3,261	35,025	84,308	46,916	-	-	2,169	14,735	52,518	
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	123	1,094	(13)	
<b>Totals</b>	<b>36</b>	<b>2,415</b>	<b>5,503</b>	<b>14,706</b>	<b>4,886</b>	<b>83,926</b>	<b>158,211</b>	<b>71,744</b>	<b>-</b>	<b>-</b>	<b>4,029</b>	<b>26,575</b>	<b>79,674</b>	

TABLE 5. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON TOTAL EMPLOYED, 1965 AND 1966

Size group	Estab- lish- ments	Manufacturing activity						Total activity						
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added	
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages		
No.		'000			\$'000				\$'000		\$'000			
<b>1965</b>														
Under 5 employed	9	33	70	147	26	2,716	3,956	1,197	-	-	70	388	1,225	
5-14 "		12	244	540	1,199	197	12,074	18,127	5,914	-	-	368	2,165	6,881
15-49 "		4	159	347	877	291	8,394	12,501	4,146	-	-	272	1,578	5,369
50-99 "		3	291	671	1,796	852	17,394	28,705	10,298	-	-	465	3,004	10,500
100-199 "		6	1,470	3,428	8,777	3,085	39,295	92,194	49,569	-	-	2,553	16,012	51,224
200-499 "	6	1,470	3,428	8,777	3,085	39,295	92,194	49,569	-	-	2,553	16,012	51,224	
500 employed and over	6	1,470	3,428	8,777	3,085	39,295	92,194	49,569	-	-	2,553	16,012	51,224	
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	97	772	(35)	
<b>Totals</b>	<b>34</b>	<b>2,197</b>	<b>5,055</b>	<b>12,797</b>	<b>4,451</b>	<b>79,873</b>	<b>155,483</b>	<b>71,125</b>	<b>-</b>	<b>-</b>	<b>3,825</b>	<b>23,920</b>	<b>75,164</b>	
<b>1966</b>														
Under 5 employed	9	31	67	143	43	2,128	3,092	992	-	-	60	342	1,059	
5-14 "		13	228	497	1,146	200	13,797	20,296	6,597	-	-	382	2,336	6,659
15-49 "		5	233	499	1,382	371	12,275	17,734	5,638	-	-	354	2,252	7,381
50-99 "		9	1,923	4,439	12,034	4,272	55,726	117,089	58,517	-	-	3,110	20,551	64,589
100-199 "		9	1,923	4,439	12,034	4,272	55,726	117,089	58,517	-	-	3,110	20,551	64,589
200-499 "	9	1,923	4,439	12,034	4,272	55,726	117,089	58,517	-	-	3,110	20,551	64,589	
500 employed and over	9	1,923	4,439	12,034	4,272	55,726	117,089	58,517	-	-	3,110	20,551	64,589	
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	123	1,094	(13)	
<b>Totals</b>	<b>36</b>	<b>2,415</b>	<b>5,503</b>	<b>14,706</b>	<b>4,886</b>	<b>83,926</b>	<b>158,211</b>	<b>71,744</b>	<b>-</b>	<b>-</b>	<b>4,029</b>	<b>26,575</b>	<b>79,674</b>	

TABLE 6. PRINCIPAL STATISTICS CLASSIFIED BY TYPE OF ORGANIZATION, 1965 AND 1966

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
No.		'000							'000			'000	
<u>1965</u>													
Individual ownerships .....	-	-	-	-	-	-	-	-	-	-	-	-	
Partnerships .....	-	-	-	-	-	-	-	-	-	-	-	-	
Incorporated companies .....	34	2,197	5,055	12,797	4,451	79,873	155,483	71,125	-	-	3,728	23,148	75,199
Co-operatives .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	97	772	(35)
Totals .....	34	3,825	5,055	12,797	4,451	79,873	155,483	71,125	-	-	3,825	23,920	75,164
<u>1966</u>													
Individual ownerships .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Partnerships .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Incorporated companies .....	36	2,415	5,503	14,706	4,886	83,926	158,211	71,744	-	-	3,906	25,481	79,687
Co-operatives .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	123	1,094	(13)
Totals .....	36	2,415	5,503	14,706	4,886	83,926	158,211	71,744	-	-	4,029	26,575	79,674

TABLE 7. CALCULATION OF OUTPUT, INPUT AND VALUE ADDED, 1965 AND 1966

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1965	1966	1965	1966	1965	1966
	\$'000					
<u>Output</u>						
1. Shipments and other revenue .....	155,483	158,211	35,805	38,358	191,288	196,569
Inventories - Goods of own manufacture:						
Add closing - Goods in process .....	1,944	2,021	...	...	1,944	2,021
Finished goods .....	8,360	10,795	...	...	8,360	10,795
Deduct opening - Goods in process .....	1,995	1,944	...	...	1,995	1,944
Finished goods .....	8,344	8,528	...	...	8,344	8,528
2. Net inventory change .....	(35)	2,344	...	...	(35)	2,344
3. Gross output (1 + 2) .....	155,448	160,555	35,805	38,358	191,253	198,913
<u>Input</u>						
4. Purchases of goods not of own manufacture .....	...	...	32,268	30,212	32,268	30,212
Inventories - Goods not of own manufacture:						
Add opening .....	...	...	3,622	4,862	3,622	4,862
Deduct closing .....	...	...	4,872	5,434	4,872	5,434
5. Cost of goods sold (not of own manufacture) .....	...	...	31,018	29,640	31,018	29,640
6. Materials, supplies, etc. ....	79,873	83,926	747	788	80,620	84,714
7. Fuel and electricity .....	4,451	4,886	...	...	4,451	4,886
8. Gross input (5 + 6 + 7) .....	84,324	88,812	31,765	30,428	116,089	119,240
Value added (3 - 8) .....	71,125	71,744	4,040	7,930	75,164	79,674

TABLE 8. EMPLOYMENT AND PAYROLL, 1965 AND 1966

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Adminis- trative and office	Sales and distri- bution	Total
	Manufacturing		Other		Male	Female	Male	Female	Male	Female	Manufac- turing	Other			
	Male	Female	Male	Female											
	number										\$'000				
<u>1965</u>															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	954	22	29	1	562	129	68	19	1,613	171	5,884	174	4,611	612	11,282
Ontario .....	867	31	5	-	308	98	88	34	1,268	163	4,854	28	2,814	913	8,609
Manitoba .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	320	3	3	-	210	42	27	5	560	50	2,059	20	1,701	250	4,029
British Columbia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Territories ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	2,141	56	37	1	1,080	269	183	58	3,441	384	12,797	222	9,126	1,775	23,920
<u>1966</u>															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	996	21	34	-	519	132	92	18	1,641	171	6,484	208	4,581	777	12,050
Ontario .....	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Manitoba .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
British Columbia .....	43	-	-	-	24	9	26	7	93	16	244	-	244	262	750
Yukon and Northwest Territories ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	2,351	64	44	3	1,044	275	201	47	3,640	389	14,706	278	9,645	1,947	26,575

TABLE 9. EMPLOYERS IN MANUFACTURING OPERATIONS, 1965 AND 1966

Month	1965		1966	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January .....	2,061	50	2,233	59
February .....	2,067	50	2,240	61
March .....	2,082	51	2,273	61
April .....	2,086	51	2,302	62
May .....	2,181	55	2,376	64
June .....	2,224	61	2,440	68
July .....	2,228	60	2,427	66
August .....	2,247	60	2,453	67
September .....	2,153	56	2,395	65
October .....	2,118	56	2,381	67
November .....	2,139	56	2,351	65
December .....	2,112	55	2,322	60
Averages .....	2,141	56	2,349	44
Establishments reporting annual averages (small establishments only) .....	-	-	-	-
Average for all establishments .....	2,141	56	2,349	64

TABLE 10. INVENTORIES, 1966

Province	Manufacturing				Non-manufacturing	Total Inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
<u>Opening</u>						
Newfoundland .....	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-
Quebec .....	2,538	1,442	3,371	7,352	2,463	9,815
Ontario .....	x	x	x	x	x	x
Manitoba .....	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-
Alberta .....	x	x	x	x	x	x
British Columbia .....	337	1	206	544	213	757
Yukon and Northwest Territories .....	-	-	-	-	-	-
Totals .....	7,399	1,944	8,528	17,870	4,862	22,732
<u>Closing</u>						
Newfoundland .....	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-
Quebec .....	3,092	1,478	4,295	8,864	3,065	11,929
Ontario .....	x	x	x	x	x	x
Manitoba .....	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-
Alberta .....	x	x	x	x	x	x
British Columbia .....	326	2	256	584	283	867
Yukon and Northwest Territories .....	-	-	-	-	-	-
Totals .....	8,801	2,821	10,795	21,319	5,448	26,767

TABLE 11. PURCHASED FUEL AND ELECTRICITY COSTS, 1965 AND 1966

Description	1965		1966	
	Quantity	Cost \$'000	Quantity	Cost \$'000
<u>1. Large establishments reporting commodity detail</u>				
Bituminous coal:				
(a) From Canadian mines .....	ton	22,919	100	2
(b) Imported .....	"	100	-	-
Sub-bituminous coal (from Alberta mines only) .....	"	-	-	-
Anthracite coal .....	"	-	-	-
Lignite coal .....	"	-	-	-
Coke .....	"	-	-	-
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	222,378	236,148	87
Fuel oil including kerosene or coal oil .....	"	11,084,742	18,478,264	1,407
Wood .....	cord	-	-	-
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal.	26,158	39,214	10
(b) Other manufactured gas .....	M cu. ft.	-	-	-
(c) Natural gas .....	"	4,034,879	4,086,309	855
Other fuel .....		15	7	7
Electricity purchased .....	kwh.	265,286,724	391,369,603	2,088
Steam purchased .....		432	...	426
<u>2. Small establishments not reporting commodity detail</u>				
Estimate for fuel and electricity .....		-	...	4
<u>3. All establishments</u>				
Total fuel and electricity used .....	...	4,451	...	4,886



TABLE 12. MATERIALS AND SUPPLIES - MANUFACTURING ACTIVITY, 1965 AND 1966

Description	1965		1966	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
<b>1. Materials used:</b>				
Acetic anhydride .....	-	-	-	-
Acid:				
Adipic .....	lb. 903,271	226	1,004,380	251
Fatty:				
Stearic .....	" 190,241	42	162,097	35
Other fatty acids .....	" 834,075	99	734,099	112
Formic .....	" 42,698	9	12,013	2
Hydrochloric (muriatic), 100% .....	" 392,587	17	314,991	14
Sulphuric, all grades, including oleum (as 100%) .....	" 48,608,688	555	52,264,955	632
Other .....	" ..	3,581	" ..	3,500
Alcohol:				
Butyl (including isobutanol) .....	lb. 3,717,676	556	3,413,151	477
Ethyl .....	Imp. gal. 192,641	202	139,598	138
Isopropyl .....	lb. 2,030,545	163	2,306,255	243
Methyl .....	Imp. gal. 4,345,920	1,307	4,494,429	1,407
Other .....	lb. 10,712,933	1,027	4,071,597	1,022
Casein .....	" 352,959	125	433,892	183
Chlorine, liquid .....	" 497,477	2	524,997	3
Cresol (including cresylic acid) .....	" 1,626,158	249	1,753,766	294
Dibutyl phthalate .....	" 400,045	102	418,429	91
Dyes and pigments .....	" ..	736	" ..	572
Ethyl acetate .....	lb. 1,507,260	152	1,855,017	186
Formaldehyde (100% solids content) .....	" 23,273,491	1,572	27,120,982	1,919
Glycerine .....	" 4,150,010	1,055	4,551,784	1,228
Glycols:				
Ethylene .....	" 6,963,696	819	7,613,865	821
Dimethylene .....	" 848,327	143	730,454	122
Propylene .....	" 2,960,354	570	11,818,233	1,289
Other grades .....	" 471,235	91	1,043,294	182
Maleic anhydride .....	" 582,291	88	892,906	132
Oils, vegetable:				
Castor .....	" 1,562,524	217	1,299,304	207
Chinawood .....	" 167,714	53	182,275	46
Linseed .....	Imp. gal. 256,030	354	249,927	351
Soya bean .....	lb. 7,489,206	1,098	9,521,080	1,386
Tall .....	" 806,399	87	1,150,433	130
Other vegetable oils .....	" 147,524	32	316,547	73
Pentaerythritol .....	" 2,027,326	549	2,454,457	553
Phenol .....	" 39,270,604	4,373	42,131,015	4,517
Phthalic anhydride .....	" 11,846,621	1,388	13,086,930	1,558
Plasticizers (not elsewhere specified) .....	" 5,042,917	826	4,860,488	884
Polyethylene type resin (all forms; for compounding only) .....	" 22,803,779	3,159	12,458,392	1,506
Resins, other (all forms; for compounding only) .....	" 9,834,682	2,019	16,558,213	3,913
Resorcinol .....	" 440,691	275	572,223	272
Sodium hydroxide (caustic soda) .....	" 34,962,295	981	36,313,987	976
Styrene monomer .....	" 15,245,084	1,431	34,278,033	2,961
Toluene (toluol) .....	" 2,208,423	506	2,908,533	525
Urea .....	" 13,611,560	620	14,952,162	665
Vinyl monomers:				
Vinyl acetate type .....	" 23,645,746	2,277	6,473,901	897
Other vinyl monomers .....	" 42,341,341	4,452	53,007,880	4,320
Xylene (xylol) .....	" 3,276,311	141	4,423,339	176
All other materials and components used(1) .....	" ..	31,412	" ..	34,704
<b>2. Containers and other packaging materials and supplies used:</b>				
Barrels and drums, metal .....	" ..	" ..	" ..	638
Paper bags, all kinds .....	" ..	" ..	" ..	623
Bags, transparent film .....	" ..	" ..	" ..	366
Paper, all kinds .....	" ..	" ..	" ..	62
Cans and drums, made of paper or fibre .....	" ..	" ..	" ..	435
All other .....	" ..	" ..	" ..	933
Totals .....	" ..	2,999	" ..	3,058
<b>3. Operating, maintenance and repair supplies used (excluding fuel) .....</b>				
		6,114		4,435
<b>4. Amount paid out to others for work done on materials owned by establishments</b>				
		1,025		956
Totals .....		79,873		83,926

(1) No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$185,758 in 1965 and \$232,788 in 1966.

TABLE 13. SHIPMENTS OF SELECTED GOODS OF OWN MANUFACTURE - ALL INDUSTRIES

(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

A. Synthetic Resins, (1) All Types, 1956-66

Year	Value
1956	50,530
1957	54,930
1958	66,441
1959	73,827
1960	88,178
1961	91,975
1962	96,709
1963	116,960
1964	142,851
1965	143,327
1966	142,727

(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 or equivalent forms made for sale as there is no adequate record of resins made for own or captive use.

B. Specified Synthetic Resins, (1) 1965 and 1966

Type	1965		1966	
	Quantity	Value	Quantity	Value
	M lb.	\$'000	M lb.	\$'000
Alkyd (excluding polyester)	(2)	9,743	(2)	11,639
Polyester	(2)	4,021	(2)	4,044
Phenol-formaldehyde	(2)	12,624	(2)	13,781
Urea-formaldehyde	(2)	4,686	(2)	4,933
Polyvinyl chloride(3)	73,225	13,531	83,745	14,548
Polystyrene(3)	87,188	16,130	96,932	16,948
Polyethylene	201,704	38,916	219,084	43,103

(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.

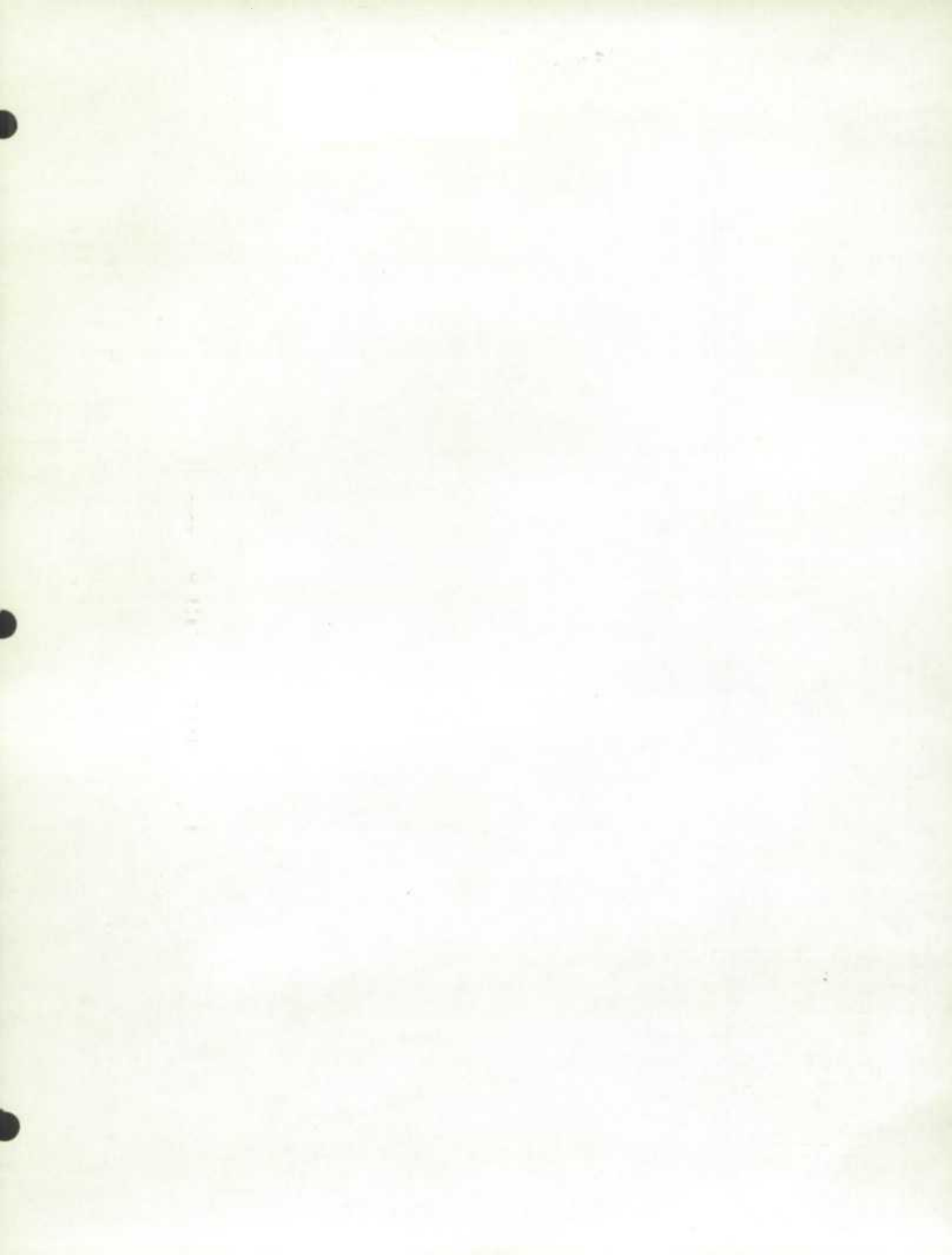
(2) These resins are marketed, for the most part, in solution forms of varying concentration and may be reported in terms of gross weight of solution or net resin content. Under these circumstances it is difficult to develop meaningful quantity data. For this reason quantity figures are not shown.

(3) Figures shown in the quantity column for these categories reflect the weight of the resins in all forms including equivalent forms such as sheet, granular pellets, moulding compounds, etc. and, therefore, totals shown are not necessarily indicative of total net weight of resin sold.

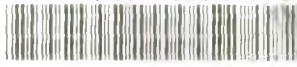
LIST OF ESTABLISHMENTS CLASSIFIED TO THIS INDUSTRY, 1966

(Does not include establishments classified to other industries, which as a secondary activity, manufacture products typical of this industry)

Name	Location
<b>Quebec</b>	
Canadian Plastics Limited	1850 St-Antoine St., Montreal
Carlew Chemicals Limited	St-Rémi-de-Napierville
Du Pont of Canada Ltd.	Shawinigan Falls
Monsanto (Canada) Ltd.	Ville LaSalle
Reichhold Chemicals (Canada) Limited	Ste-Thérèse-de-Blainville
Trilon Chemical Limited	Lachine
Union Carbide Canada Ltd.	10555 Metropolitan Blvd., Montreal East
<b>Ontario</b>	
Acto Compounds Ltd.	Preston
Argo Plastics and Chemicals Ltd.	Brampton
Borden Chemical Co. (Canada) 1962 Ltd., The	North Bay
Canadian General Electric Co. Ltd.	940 Lansdowne Ave., Toronto
Diamond Alkali (Canada)	197 Bartley Dr., Toronto
Du Pont of Canada Ltd.	Corunna
Goodrich, B.F., Chemical Co.	Welland
Rysol (Canada) Limited	44 Beechwood Dr., Toronto
Kayson Plastics and Chemicals Limited	Preston
Marbon Chemicals, Div. of Borg-Warner (Canada) Ltd.	Coburg
Perkins Glue Co. of Canada Limited	Kitchener
Polypenco Canada Ltd.	Acton
Polyresins Limited	44 Beechwood Dr., Toronto
Reeves Hardifom Ltd. (Lakeshore Rd., Plant)	415 Evans Ave., Toronto
Reichhold Chemicals (Canada) Limited	Weston
Reichhold Chemicals (Canada) Limited	North Bay
Reichhold Chemicals (Canada) Ltd., (Varcum Chemical Division)	Lindsay
Schenectady Varnish Canada Ltd.	Scarborough
Seaway Chemicals Ltd.	Morrisburg
TCF of Canada Ltd.	Cornwall
Union Carbide Chemical Ltd.	Belleville
Washburn, T.F., Canada Limited	Preston
<b>Alberta</b>	
Canadian Chemical Co., Div. Chemcell (1963) Ltd.	Edmonton
Canadian Industries Limited	Edmonton
Monsanto Canada Limited	Clover Bar
Pacific Resins Ltd.	Edmonton
<b>British Columbia</b>	
Monsanto Canada Limited	Vancouver
Pacific Resins Ltd.	New Westminister
Reichhold Chemicals (Canada) Limited	Port Moody



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