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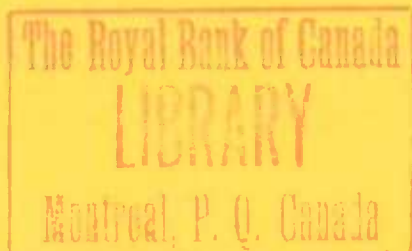
CHEMICALS AND ALLIED PRODUCTS  
1950

General Review



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CHEMICALS AND ALLIED PRODUCTS  
1950  
General Review

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## NOTICE

The Industry and Merchandising Division of the Bureau of Statistics collects and compiles figures on (a) the primary industries in Canada—mining, forestry and fishing; (b) manufacturing; (c) construction, and (d) merchandising and services.

For the purpose of annual compilation and publication, the manufacturing industries have been classified into major groups, prefaced by two reports of a general nature, as follows:

- I Summary Report on Manufacturing Industries
- II Manufacturing Industries by Geographical Distribution
- III Foods and Beverages
- IV Tobacco and Tobacco Products
- V Rubber Products
- VI Leather Products
- VII Miscellaneous Manufactures
- VIII Textiles
- IX Wood and Paper Products
- X Printing Trades
- XI Operations in the Woods
- 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

The present report belongs in Group 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 Fertilizer Manufacturing Industry, 25¢.
- D The Fertilizer Trade in Canada, 30¢.
- 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¢.

# CHEMICALS AND ALLIED PRODUCTS

1950

## General Review

Final statistics for 1950 places the total output value for the Chemicals and Allied Products group of industries at \$646.9 millions or 10.1 per cent more than the former peace-time high of \$587.4 millions in 1949. This year's value was four times the corresponding figure for 1939, and since the index of wholesale prices for chemicals and allied products has advanced about 57 per cent over the eleven-year period, from 100.3 in 1939 to 157.7 in 1950, it appears that the physical volume of output was nearly two and a half times that of 1939.

All but one of the industries in the chemicals and allied group showed substantial gains in output in 1950 compared with the previous year. The percentage increases were as follows:- Coal tar distillation, 7.5; heavy chemicals, 17.6; compressed gases, 5.3; fertilizers, 2.3; medicinals, 6.8; paints, 12.2; soaps, 5.8; toilet preparations, 9.9; inks, 14.3; adhesives, 23.7; polishes, 12.7; primary plastics, 46.2; miscellaneous, 14.6. Output from the vegetable oils industry declined 8.2 per cent.

In the entire group there were 1,033 plants in 1950 with 41,475 employees, and aggregate pay roll amounting to \$107 millions. The 515 establishments in Ontario accounted for 58 per cent of the production and 52 per cent of the employees, and the 336 works in Quebec accounted for 29 per cent of the total output and 37 per cent of the workmen.

Exports of chemicals and allied products increased substantially in 1950, the value amounting to \$100.5 millions which was greater than in any other year except 1945. Gains were recorded for acids, pharmaceuticals, paints, explosives, inorganic chemicals, and for miscellaneous chemicals and chemical products, but declines were shown for fertilizers, and soaps and toilet preparations. Fertilizers at \$38.9 millions accounted for 38 per cent of the total exports with sodium compounds, synthetic resins, acetic acid, streptomycin, acetylene black, calcium compounds, penicillin, polystyrene, medicinals and paints as the other more important items. About 58 per cent of the export shipments went to the United States and only 6 per cent to the United Kingdom.

Imports rose about 21 per cent in 1950 to \$158.2 millions of which nearly 85 per cent came from the United States and 9 per cent from the United Kingdom. Germany, Switzerland, France, Argentina and the Netherlands accounted for a large part of the remainder. The value of imports has doubled since 1945 when the value was \$79.8 millions.

Data on capital expenditures by firms in the chemical field indicate that \$33 millions was spent on new buildings and equipment in 1950. This compares with outlays for similar purposes of \$38 millions in 1949 and \$42 millions in 1948. It is estimated that an additional \$23 millions was spent by chemical firms for plant repairs and maintenance in 1950.

TABLE 1. Principal Statistics for the Chemicals and Allied Products Group, by Industries, 1949 and 1950

Industry	Establishments	Employees	Salaries and wages for year	Cost of fuel and electricity at works	Cost of materials at works	Selling value of products at works	Net <sup>1</sup> value of production
	No.						
1949							
Acids, alkalis and salts .....	28	5,861	16,504,908	7,355,353	27,392,521	74,411,796	39,663,922
Fertilizers .....	32	3,269	9,004,943	1,772,400	31,671,468	67,428,067	33,984,199
Medicinals and pharmaceuticals .....	218	7,658	16,116,592	593,187	22,900,555	71,502,135	48,008,393
Paints and varnishes .....	112	6,035	14,137,815	622,236	42,427,832	82,860,500	39,810,432
Primary plastics .....	14	1,286	3,496,087	461,318	10,897,184	21,022,219	9,663,717
Soaps, washing compounds and cleaning preparations .....	143	3,837	9,373,882	983,732	31,029,359	62,398,211	30,405,120
Toilet preparations .....	94	1,720	3,008,556	74,090	7,088,024	19,047,435	11,885,321
Vegetable oils .....	15	829	2,122,103	477,054	41,631,796	51,241,541	9,132,691
Inks .....	32	704	1,968,794	63,286	4,002,313	8,939,638	4,874,039
Adhesives .....	25	749	1,727,848	339,839	4,218,359	7,824,564	3,266,366
Polishes and dressings .....	57	797	1,655,980	77,603	5,918,662	11,665,149	5,868,884
Compressed gases .....	48	1,223	3,230,904	431,855	1,979,160	12,091,176	9,680,161
Coal tar distillation .....	11	415	1,166,863	549,310	4,786,640	9,332,787	3,996,837
Miscellaneous chemical products .....	208	7,145	17,175,387	5,436,456	44,065,072	87,432,997	37,931,469
<b>Total .....</b>	<b>1,037</b>	<b>41,328</b>	<b>100,690,662</b>	<b>19,217,719</b>	<b>280,008,945</b>	<b>587,398,215</b>	<b>288,171,551</b>
1950							
Acids, alkalis and salts .....	28	6,020	18,039,492	8,639,420	30,327,614	87,494,365	48,527,331
Fertilizers .....	36	3,253	9,422,571	1,996,118	33,349,706	68,996,819	33,650,995
Medicinals and pharmaceuticals .....	210	7,524	16,637,745	652,909	24,621,090	76,372,691	51,098,692
Paints and varnishes .....	109	5,929	14,569,020	682,488	49,870,382	92,999,193	42,446,323
Primary plastics .....	14	1,392	3,965,070	603,388	14,000,584	30,728,353	16,124,361
Soaps, washing compounds and cleaning preparations .....	142	3,735	10,339,733	1,093,198	34,749,803	66,048,105	30,205,104
Toilet preparations .....	98	1,862	3,423,935	90,071	7,679,500	20,950,830	13,181,259
Vegetable oils .....	15	792	2,155,085	524,066	40,213,298	47,026,547	6,289,183
Inks .....	30	796	2,230,151	79,948	4,570,554	10,217,715	5,567,213
Adhesives .....	28	689	1,723,015	364,849	5,086,086	9,679,396	4,228,461
Polishes and dressings .....	54	782	1,714,614	75,556	6,325,223	13,377,393	6,976,614
Compressed gases .....	50	1,240	3,239,598	493,054	1,873,977	12,737,319	10,370,288
Coal tar distillation .....	11	457	1,274,395	633,181	6,057,087	10,033,238	3,342,970
Miscellaneous chemical products .....	208	7,024	18,059,979	6,069,812	48,980,837	100,208,546	45,157,897
<b>Total .....</b>	<b>1,033</b>	<b>41,475</b>	<b>106,794,403</b>	<b>21,998,058</b>	<b>307,705,741</b>	<b>646,870,510</b>	<b>317,166,711</b>

1. Gross selling value less cost of materials, fuel and electricity.

TABLE 2. Principal Statistics for the Chemicals and Allied Products Group, by Provinces, 1949 and 1950

Province	Establishments	Employees	Salaries and wages for year	Cost of fuel and electricity at works	Cost of materials at works	Selling value of products at works	Net value of production
	No.						
1949							
Newfoundland .....	8	95	186,636	12,015	627,873	953,020	313,132
Prince Edward Island and Nova Scotia .....	17	355	771,831	135,947	4,244,185	7,108,115	2,727,983
New Brunswick .....	7	145	353,743	63,804	3,445,129	4,520,183	1,011,250
Quebec .....	334	15,514	36,348,846	4,258,012	76,966,471	167,323,336	86,098,853
Ontario .....	531	21,153	52,650,741	13,524,170	158,607,175	330,495,870	158,364,525
Manitoba .....	42	768	1,530,349	123,878	7,297,681	13,244,323	5,822,564
Saskatchewan .....	11	220	577,946	48,980	4,115,150	5,574,878	1,410,748
Alberta .....	20	599	1,592,201	712,964	3,452,467	9,318,569	5,153,128
British Columbia .....	67	2,479	6,678,369	337,949	21,252,614	48,859,931	27,269,368
<b>Canada .....</b>	<b>1,037</b>	<b>41,328</b>	<b>100,690,662</b>	<b>19,217,719</b>	<b>280,008,945</b>	<b>587,398,215</b>	<b>288,171,551</b>
1950							
Newfoundland .....	6	75	151,304	13,595	558,319	988,094	416,180
Prince Edward Island and Nova Scotia .....	17	344	784,797	144,680	4,217,864	6,435,938	2,073,394
New Brunswick .....	7	136	346,113	57,371	3,237,908	4,292,968	997,689
Quebec .....	336	15,159	38,229,360	5,248,920	86,463,568	187,265,942	95,553,454
Ontario .....	515	21,755	56,721,101	15,182,162	180,932,103	375,896,422	179,782,157
Manitoba .....	44	761	1,567,404	132,872	6,872,458	12,070,271	5,064,941
Saskatchewan .....	11	233	579,154	35,542	1,299,810	1,983,612	648,260
Alberta .....	21	575	1,613,451	840,090	2,322,082	8,330,625	5,168,453
British Columbia .....	76	2,437	6,801,719	342,826	21,801,629	49,606,638	27,462,183
<b>Canada .....</b>	<b>1,033</b>	<b>41,475</b>	<b>106,794,403</b>	<b>21,998,058</b>	<b>307,705,741</b>	<b>646,870,510</b>	<b>317,166,711</b>

TABLE 3. Principal Statistics by Size of Establishments, for the Chemicals and Allied Products Group, 1950

	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of production
	No.	No.	\$	\$	\$	\$
(a) Employees						
Under 5 .....	353	772	1,206,940	114,674	3,041,769	6,963,953
5 to 14 .....	266	2,249	5,171,911	467,930	14,923,952	32,864,868
15 to 49 .....	247	6,748	16,226,511	1,736,359	76,537,228	133,675,247
50 to 99 .....	92	5,970	13,845,420	1,194,886	52,929,226	97,519,874
100 to 199 .....	40	5,828	15,160,254	2,259,453	39,258,687	89,026,417
200 to 499 .....	24	7,737	21,230,760	5,446,226	62,960,329	134,539,864
500 and over .....	11	10,873	29,382,853	10,778,530	58,054,550	152,280,287
Head offices not located at plants .....	—	1,298	4,569,754	—	—	—
<b>Total .....</b>	<b>1,033</b>	<b>41,475</b>	<b>106,794,403</b>	<b>21,998,058</b>	<b>307,705,741</b>	<b>646,870,510</b>
(b) Gross Production						
Under \$5,000 .....	110	159	146,944	12,482	111,359	298,995
5,000 to 24,999 .....	203	576	802,407	54,741	999,526	2,637,005
25,000 to 49,999 .....	96	555	1,114,457	73,935	1,366,183	3,483,781
50,000 to 99,999 .....	121	1,125	2,390,816	212,192	3,858,614	8,870,263
100,000 to 199,999 .....	104	1,459	3,124,746	235,029	6,606,254	15,451,930
200,000 to 499,999 .....	161	4,250	9,868,669	778,576	22,901,438	51,434,065
500,000 to 999,999 .....	119	5,632	13,641,255	1,236,534	39,857,233	86,621,785
1,000,000 to 4,999,999 .....	92	11,438	29,296,955	4,418,345	107,246,495	204,862,641
5,000,000 and over .....	27	14,983	41,838,400	14,976,224	124,758,639	273,210,045
Head offices not located at plants .....	—	1,298	4,569,754	—	—	—
<b>Total .....</b>	<b>1,033</b>	<b>41,475</b>	<b>106,794,403</b>	<b>21,998,058</b>	<b>307,705,741</b>	<b>646,870,510</b>

TABLE 4. New Investment in Durable Physical Assets and Repair and Maintenance, Chemicals and Allied Products Industries, Canada, 1926-1950

Year	New investment			Repair and maintenance			Total
	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Sub-total	
(Millions of Dollars)							
1926 .....	4.4	1.4	5.8	0.8	0.6	1.4	7.2
1927 .....	2.4	3.5	5.9	1.0	1.0	2.0	7.9
1928 .....	1.2	2.6	3.8	1.1	1.4	2.5	6.3
1929 .....	10.9	5.2	16.1	1.1	1.9	3.0	19.1
1930 .....	2.9	3.5	6.4	0.8	2.0	2.8	9.2
1931 .....	1.8	2.3	4.1	1.3	1.7	3.0	7.1
1932 .....	0.7	1.1	1.8	1.5	1.1	2.6	4.4
1933 .....	1.0	2.9	3.9	1.4	0.6	2.0	5.9
1934 .....	2.4	1.6	4.0	0.4	2.3	2.7	6.7
1935 .....	1.1	2.0	3.1	0.2	2.6	2.8	5.9
1936 .....	0.4	2.3	2.7	1.5	1.2	2.7	5.4
1937 .....	5.5	2.0	7.5	1.6	1.4	3.0	10.5
1938 .....	2.9	3.4	6.3	1.0	2.2	3.2	9.5
1939 .....	1.0	2.4	3.4	0.9	2.8	3.7	7.1
1940 .....	1.9	4.5	6.4	2.1	3.4	5.5	11.9
1941 .....	3.2	8.9	12.1	3.4	5.2	8.6	20.7
1942 .....	5.3	4.7	10.0	3.7	6.0	9.7	19.7
1943 .....	2.5	3.1	5.6	5.7	5.4	11.1	16.7
1944 .....	1.4	1.6	3.0	3.7	8.1	11.8	14.8
1945 .....	4.0	3.6	7.6	4.2	7.2	11.4	19.0
1946 .....	11.6	8.0	19.6	2.9	10.3	13.2	32.8
1947 .....	14.4	19.3	33.7	4.0	12.5	16.5	50.2
1948 .....	15.0	26.9	41.9	4.3	15.8	20.1	62.0
1949 .....	11.9	25.9	37.8	3.9	17.3	21.2	59.0
1950 .....	7.3	19.0	26.3	4.3	19.1	23.4	49.7

## CHEMICALS AND ALLIED PRODUCTS

TABLE 5. Employees and Their Earnings in the Chemicals and Allied Products Group, by Industries, 1949 and 1950

Industry	Number of employees				Total	Earnings		
	Supervisory and office		Production and related workers			Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
					\$	\$	\$	
<b>1949</b>								
Acids, alkalies and salts .....	1,096	325	4,394	46	5,861	4,822,728	11,682,180	16,504,908
Fertilizers .....	659	201	2,390	19	3,269	2,770,227	6,234,716	9,004,943
Medicinals and pharmaceuticals .....	1,622	1,384	2,274	2,378	7,658	8,427,656	7,688,936	16,116,592
Paints and varnishes .....	1,696	836	3,115	388	6,035	6,557,144	7,580,671	14,137,815
Primary plastics .....	337	128	787	34	1,286	1,466,477	2,029,610	3,496,087
Soaps, washing compounds and cleaning preparations .....	1,000	501	1,672	464	3,637	4,270,295	5,103,587	9,373,882
Toilet preparations .....	263	322	375	760	1,720	1,485,708	1,522,848	3,008,556
Vegetable oils .....	202	67	559	1	829	820,678	1,301,425	2,122,103
Inks .....	130	84	431	39	704	799,897	1,168,897	1,968,794
Adhesives .....	165	69	485	30	749	570,317	1,157,531	1,727,848
Polishes and dressings .....	187	149	262	199	797	867,144	768,836	1,655,980
Compressed gases .....	316	244	660	3	1,223	1,491,331	1,739,573	3,230,904
Coal tar distillation .....	74	28	313	—	415	303,946	862,917	1,166,863
Miscellaneous chemical products .....	1,657	772	3,824	892	7,145	7,168,692	10,006,695	17,175,387
<b>Total .....</b>	<b>9,404</b>	<b>5,110</b>	<b>21,561</b>	<b>5,253</b>	<b>41,328</b>	<b>41,842,240</b>	<b>58,848,422</b>	<b>100,690,662</b>
<b>1950</b>								
Acids, alkalies and salts .....	1,136	341	4,496	47	6,020	5,295,689	12,743,803	18,039,492
Fertilizers .....	712	198	2,319	24	3,253	3,005,055	6,417,516	9,422,571
Medicinals and pharmaceuticals .....	1,550	1,373	2,294	2,307	7,524	8,623,007	8,014,738	16,637,745
Paints and varnishes .....	1,669	821	3,045	394	5,929	6,630,407	7,938,213	14,569,020
Primary plastics .....	346	138	862	46	1,392	1,555,823	2,409,247	3,965,070
Soaps, washing compounds and cleaning preparations .....	1,025	539	1,738	433	3,735	4,754,522	5,585,211	10,339,733
Toilet preparations .....	299	332	412	819	1,862	1,692,106	1,731,829	3,423,935
Vegetable oils .....	203	64	522	3	792	852,006	1,303,079	2,155,085
Inks .....	171	97	484	44	796	959,179	1,270,972	2,230,151
Adhesives .....	139	74	420	36	669	631,275	1,091,740	1,723,015
Polishes and dressings .....	201	142	266	173	782	922,019	792,595	1,714,614
Compressed gases .....	318	243	678	1	1,240	1,444,267	1,795,331	3,239,598
Coal tar distillation .....	80	28	349	—	457	331,842	942,553	1,274,395
Miscellaneous chemical products .....	1,640	733	3,845	806	7,024	7,648,831	10,411,148	18,059,979
<b>Total .....</b>	<b>9,489</b>	<b>5,123</b>	<b>21,730</b>	<b>5,133</b>	<b>41,475</b>	<b>44,346,028</b>	<b>62,448,375</b>	<b>106,794,403</b>

TABLE 6. Employees and Their Earnings in the Chemicals and Allied Products Group, by Provinces, 1949 and 1950

Province	Number of employees				Total	Earnings		
	Supervisory and office		Production and related workers			Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
					\$	\$	\$	
<b>1949</b>								
Newfoundland .....	23	5	51	16	95	64,743	121,893	186,636
Prince Edward Island and Nova Scotia .....	69	38	238	10	355	272,919	498,912	771,831
New Brunswick .....	23	7	114	1	145	71,353	282,390	353,743
Quebec .....	4,020	2,074	7,229	2,191	15,514	17,254,330	19,094,516	36,348,846
Ontario .....	4,428	2,681	11,239	2,805	21,153	20,771,892	31,878,849	52,650,741
Manitoba .....	168	87	409	104	768	654,818	875,531	1,530,349
Saskatchewan .....	95	42	78	5	220	387,131	190,815	577,946
Alberta .....	126	45	403	25	599	514,164	1,078,037	1,592,201
British Columbia .....	452	131	1,800	96	2,479	1,850,890	4,827,479	6,678,369
<b>Canada .....</b>	<b>9,404</b>	<b>5,110</b>	<b>21,561</b>	<b>5,253</b>	<b>41,328</b>	<b>41,842,240</b>	<b>58,848,422</b>	<b>100,690,662</b>
<b>1950</b>								
Newfoundland .....	13	3	42	17	75	52,597	98,707	151,304
Prince Edward Island and Nova Scotia .....	68	28	238	10	344	254,881	529,916	784,797
New Brunswick .....	23	8	104	1	136	76,981	269,132	346,113
Quebec .....	3,930	2,008	7,105	2,118	15,159	17,982,884	20,246,476	38,229,360
Ontario .....	4,594	2,752	11,642	2,767	21,755	22,493,202	34,227,899	56,721,101
Manitoba .....	167	91	413	90	761	651,928	915,476	1,567,404
Saskatchewan .....	93	65	67	8	233	423,849	155,305	579,154
Alberta .....	127	43	385	20	575	512,832	1,100,619	1,613,451
British Columbia .....	474	127	1,734	102	2,437	1,896,874	4,904,845	6,801,719
<b>Canada .....</b>	<b>9,489</b>	<b>5,123</b>	<b>21,730</b>	<b>5,133</b>	<b>41,475</b>	<b>44,346,028</b>	<b>62,448,375</b>	<b>106,794,403</b>



TABLE 7. Production and Related Workers (Wage Earners) in the Chemicals and Allied Products Group, by Industries and by Months, 1950

Month	Acids, alkalies and salts	Fertilizers	Medicinals and pharmaceuticals	Paints and varnishes	Primary plastics	Soaps and cleaning preparations	Toilet preparations	
	(Number)							
January .....	4,229	2,291	4,652	3,272	833	2,065	1,076	
February .....	4,281	2,390	4,617	3,269	870	2,082	1,111	
March .....	4,347	2,528	4,621	3,370	861	2,110	1,105	
April .....	4,353	2,578	4,622	3,420	849	2,134	1,134	
May .....	4,460	2,586	4,589	3,506	874	2,138	1,212	
June .....	4,643	2,273	4,626	3,546	900	2,189	1,247	
July .....	4,711	2,262	4,526	3,539	935	2,257	1,249	
August .....	4,739	2,292	4,565	3,560	928	2,216	1,279	
September .....	4,606	2,247	4,574	3,489	951	2,244	1,307	
October .....	4,701	2,235	4,640	3,503	953	2,266	1,408	
November .....	4,713	2,244	4,626	3,450	982	2,241	1,416	
December .....	4,751	2,208	4,597	3,379	983	2,198	1,237	
<b>Total .....</b>	<b>4,543</b>	<b>2,343</b>	<b>4,601</b>	<b>3,439</b>	<b>908</b>	<b>2,171</b>	<b>1,231</b>	
	Vegetable oils	Inks	Adhesives	Polishes and dressings	Compressed gases	Coal tar distillation	Miscellaneous	Total
	(Number)							
January .....	528	513	431	409	658	337	4,502	25,796
February .....	572	522	439	406	662	341	4,525	26,087
March .....	545	516	445	427	660	337	4,542	26,414
April .....	549	515	450	435	678	334	4,611	26,662
May .....	518	521	455	444	688	352	4,705	27,048
June .....	488	523	463	465	713	353	4,719	27,148
July .....	470	527	466	416	715	357	4,796	27,226
August .....	485	529	451	446	701	357	4,715	27,263
September .....	520	532	458	473	680	357	4,687	27,125
October .....	543	550	471	451	676	356	4,749	27,502
November .....	559	556	480	451	663	357	4,662	27,400
December .....	536	547	469	445	665	353	4,595	26,963
<b>Total .....</b>	<b>525</b>	<b>528</b>	<b>456</b>	<b>439</b>	<b>679</b>	<b>349</b>	<b>4,651</b>	<b>26,863</b>

TABLE 8. Production and Related Workers (Wage Earners) in the Chemicals and Allied Products Group, by Provinces and by Months, 1950

Month	Newfoundland	Prince Edward Island and Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
	(Number)									
January .....	57	232	100	8,827	13,856	495	80	393	1,756	25,796
February .....	56	236	104	8,905	14,026	482	88	388	1,802	26,087
March .....	58	248	132	9,000	14,107	503	88	397	1,881	26,414
April .....	57	253	142	9,056	14,330	525	71	392	1,836	26,662
May .....	61	285	166	9,224	14,398	523	69	420	1,903	27,048
June .....	65	243	74	9,295	14,620	523	72	428	1,828	27,148
July .....	66	242	83	9,281	14,656	517	67	424	1,890	27,226
August .....	62	252	96	9,358	14,616	516	73	428	1,662	27,263
September .....	62	254	104	9,373	14,520	498	76	391	1,847	27,125
October .....	61	247	94	9,587	14,677	488	76	403	1,869	27,502
November .....	59	247	84	9,515	14,727	484	76	403	1,805	27,400
December .....	55	237	83	9,390	14,498	474	72	391	1,763	26,963
<b>Total .....</b>	<b>59</b>	<b>248</b>	<b>105</b>	<b>9,223</b>	<b>14,409</b>	<b>503</b>	<b>75</b>	<b>405</b>	<b>1,836</b>	<b>26,863</b>

TABLE 9. Materials Used in the Industries in the Chemicals and Allied Products Group, 1949 and 1950

Item	1949		1950	
	Quantity	Cost at works \$	Quantity	Cost at works \$
Acetic anhydride .....	lb.	19,428	56,925	7,688
Acetone .....	lb.	3,090,123	2,401,294	281,936
Acetanilid .....	lb.	—	24,955	11,837
Acetylene .....	cu. ft.	85,250,893	120,256,317	788,441
Acid:				
Acetic .....	lb.	764,080	1,145,967	124,559
Acetylsalicylic .....	lb.	669,115	552,892	306,716
Arsenic (As <sub>2</sub> O <sub>3</sub> ) .....	lb.	1,831,089	2,068,197	110,671
Benzoic .....	lb.	6,686	16,804	6,006
Boric or boracic .....	lb.	410,616	207,984	23,970
Citric .....	lb.	691,659	750,676	204,965
Cresylic .....	lb.	56,455	65,274	8,615
Fatty, n.e.s. ....	lb.	3,103,334	3,748,523	314,846
Formic .....	lb.	101,965	98,245	21,025
Gallic .....	lb.	1,063	1,027	1,723
Hydrochloric (muriatic) .....	lb.	6,040,750	7,136,080	138,857
Naphthenic .....	lb.	1,636,000	2,015,397	181,386
Nitric .....	lb.	7,620,300	341,001	449,002
Oleic .....	lb.	950,407	1,256,552	182,414
Oxalic .....	lb.	142,400	71,350	11,436
Phosphoric .....	lb.	594,894	850,700	60,462
Stearic .....	lb.	897,019	1,342,238	190,607
Sulphuric .....	lb.	1,052,773,982	3,537,931	3,993,979
Tannic .....	lb.	3,402	4,643	6,528
Tartaric .....	lb.	581,773	205,239	203,150
Alcohol:				
Amyl (fused oil) .....	gal.	70	458	328
Butyl .....	lb.	2,446,790	2,552,256	364,925
Ethyl .....	gal.	1,034,670	942,321	1,226,102
Methyl (wood), refined .....	gal.	136,570	223,447	190,390
Aluminum rod, strip, etc. ....	lb.	46,164	47,211	16,992
Aluminum hydrate .....	lb.	21,158,300	21,867,500	437,350
Aluminum sulphate (alum) .....	lb.	400,923	878,363	18,042
Ammonia:				
Anhydrous .....	lb.	126,534,636	2,577,158	3,031,117
Liquor .....	—	—	—	1,347,336
Ammonium chloride .....	lb.	130,399	9,433	9,698
Ammonium nitrate .....	lb.	44,549,857	1,521,402	1,076,973
Ammonium phosphate .....	tons	5,636	403,439	443,013
Ammonium sulphate .....	tons	38,843	1,741,489	1,505,576
Amyl acetate .....	lb.	613,077	539,626	113,870
Arsenic, white (As <sub>2</sub> O <sub>3</sub> ) .....	lb.	49,313	3,905	7,196
Asphalt .....	gal.	4,381,809	576,376	640,604
Barium chloride .....	lb.	319,817	19,239	10,646
Barium nitrate .....	lb.	86,087	119,776	17,202
Barytes .....	lb.	2,626,420	77,797	97,309
Bentonite (Filtrol, Pembina, etc.) .....	tons	871	64,310	50,273
Benzol .....	lb.	2,034,709	77,695	122,090
Bismuth metal .....	lb.	16,984	34,647	55,779
Bismuth salts .....	lb.	17,868	56,354	56,128
Black, lamp, bone and other, n.e.s. ....	lb.	339,844	58,232	58,589
Blanc fixe .....	lb.	417,945	19,194	26,581
Blood, dried .....	tons	50	3,929	5,898
Blue, ultramarine .....	lb.	244,406	62,577	52,964
Bone meal and bone flour .....	tons	304	27,469	22,706
Bones .....	tons	12,897	538,128	644,539
Borax .....	lb.	1,517,642	64,540	95,836
Brass rod, strip, etc. ....	lb.	1,877,840	506,334	294,264
Brucite fines .....	tons	923	37,085	18,882
Butyl acetate .....	lb.	3,171,676	539,389	549,980
Butyl cellulose .....	lb.	82,066	25,375	25,561
Butyraldehyde .....	lb.	—	—	716,914
Caffeine .....	lb.	17,263	84,586	97,532
Calcium arsenate .....	lb.	517,418	42,381	44,440
Calcium carbide .....	lb.	19,839,060	957,736	1,009,891
Calcium carbonate (ground chalk, whitening) .....	lb.	21,905,642	333,658	375,993
Calcium chloride .....	lb.	5,230,683	104,507	54,467
Calcium cyanamide .....	tons	36,559	1,410,506	1,992,547
Calcium sulphate .....	lb.	1,585,394	22,609	29,407
Camphor .....	lb.	41,955	31,347	34,782
Carbon bisulphide .....	lb.	3,348,121	166,733	212,735
Carbon black .....	lb.	1,655,278	210,222	246,215
Carbon dioxide gas (unpurified) .....	—	—	27,239	30,522
Carbon tetrachloride .....	lb.	516,004	51,878	23,295
Casein .....	lb.	1,473,455	335,471	373,041
Chalk, precipitated .....	lb.	584,349	33,045	36,204
Charcoal .....	lb.	2,801,897	61,757	90,899
Chloride of lime .....	lb.	2,066,546	80,245	73,021
Chlorine, liquid .....	lb.	44,677,880	1,278,357	504,533
Coal:				
Anthracite (except for fuel) .....	tons	6,306	68,117	160,328
Bituminous (except for fuel) .....	tons	825	11,562	2,095
Cobalt acetate .....	lb.	15,115	14,515	13,525
Cobalt sulphate .....	lb.	82,190	88,825	97,754
Coke:				
Petroleum (except for fuel) .....	tons	123,513	2,089,390	2,330,844
For making carbon dioxide .....	tons	2,914	61,076	24,056
Other (except for fuel) .....	tons	161,510	2,742,578	2,748,054

TABLE 9. Materials Used in the Industries in the Chemicals and Allied Products Group, 1949 and 1950 - Continued

Item	1949		1950		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Colours:					
Chrome .....	lb.	2,047,260	801,848	2,300,545	872,144
Other dry .....	lb.	2,688,109	1,194,816	3,442,974	1,568,313
Copper strip, sheet, etc. ....	lb.	123,349	18,502	117,076	20,512
Copper sulphate .....	lb.	765,934	134,205	648,755	123,226
Coppa or dried coconut kernels ..	lb.	67,320,420	5,890,500	50,087,717	5,021,807
Cotton linters .....	lb.	257,589	25,184	307,840	48,635
Cresote .....	lb.	—	—	272,512	22,558
Cresol .....	lb.	666,993	109,045	592,800	75,794
D.D.T. ....	—	—	393,747	—	449,046
Dextrine .....	lb.	7,739,609	657,475	8,345,771	700,339
Diatomaceous earth .....	tons	7,469	324,702	7,861	344,461
Dibutyl phthalate .....	lb.	148,604	45,363	349,941	104,117
Dinitrotoluene .....	lb.	242,533	26,229	235,693	27,777
Driers:					
Linoleate .....	lb.	22,103	6,638	161,655	53,338
Naphthenate .....	lb.	1,381,321	435,399	1,847,490	575,616
Resinate .....	lb.	29,017	6,408	38,172	9,514
Other .....	lb.	449,934	147,061	429,770	102,530
Dyes and colours, other .....	—	—	279,840	—	275,853
Dyes, for packaging .....	—	—	1,682,505	—	2,069,926
Electrodes .....	—	—	790,833	—	901,706
Ether, sulphuric .....	lb.	—	—	90,381	19,138
Ethyl acetate .....	lb.	5,294,357	565,729	5,181,782	574,573
Ethylene glycol .....	lb.	24,926,142	5,239,911	22,646,587	4,671,800
Feldspar .....	tons	3,161	48,419	2,901	40,752
Ferric chloride .....	lb.	—	—	28,579	22,172
Flaxseed, Canadian .....	bushels	4,591,808	18,995,333	4,801,919	18,543,028
Flour:					
Potato .....	lb.	515,932	35,829	405,832	28,544
Soya bean .....	lb.	577,962	34,285	656,914	41,229
Tapioca .....	lb.	614,831	68,226	720,103	71,510
Wheat .....	lb.	6,214,033	233,766	6,045,125	243,315
Other .....	lb.	1,283,243	78,601	1,415,041	99,536
Fluorspar .....	tons	32,947	828,241	29,620	743,077
Foots, olive and cotton seed .....	lb.	6,449,849	545,371	7,191,879	505,093
Formaldehyde .....	lb.	12,047,994	502,159	18,087,704	787,197
Fuller's earth .....	tons	293	11,600	489	26,301
Glucose .....	lb.	746,318	65,048	1,096,897	85,542
Glue .....	lb.	1,302,448	352,145	1,781,368	484,702
Glycerine:					
Crude .....	lb.	3,198,736	663,478	3,135,113	674,241
Refined .....	lb.	9,457,098	2,861,370	10,368,443	3,338,706
Graphite .....	lb.	568,625	89,997	706,814	119,186
Grease .....	lb.	4,544,744	339,200	5,152,335	432,201
Gun powder .....	lb.	722,192	330,027	750,961	309,447
Herbs, roots and vegetable drugs ..	—	—	652,848	—	645,448
Hides and hide trimmings .....	tons	18,645	563,613	19,036	472,149
Hydrogen .....	cu. ft.	1,159,459	2,920	1,163,539	3,674
Hydrogen chloride, anhydrous .....	lb.	3,067,900	112,564	5,920,576	205,897
Hydrogen peroxide .....	lb.	19,187	4,384	—	—
Insect powder .....	lb.	47,853	2,894	11,436	1,417
Iodine, crude .....	lb.	66,297	118,943	112,480	193,346
Iron, scrap .....	tons	2,533	58,246	6,125	159,178
Iron oxide pigments .....	lb.	4,121,624	294,872	4,745,605	370,790
Isobutanol .....	lb.	—	—	480,243	90,252
Isopropyl acetate .....	lb.	546,050	65,508	—	—
Javel concentrate or sodium hypochlorite for dilution ..	—	—	51,294	—	52,492
Kaolin or china clay .....	lb.	5,242,605	89,281	22,830,640	158,819
Lanolin .....	lb.	—	—	119,209	30,405
Lead arsenate .....	lb.	168,507	29,996	—	—
Lead, basic carbonate, white, dry .....	lb.	2,639,379	492,702	1,953,936	373,804
Lead, basic carbonate, white, in oil .....	lb.	916,724	178,384	674,516	130,441
Lead, basic sulphate, white .....	lb.	236,399	34,188	865,391	172,110
Lead, pig .....	lb.	11,182,652	1,692,161	13,309,829	1,905,409
Lead, red .....	lb.	1,130,202	215,491	992,047	236,064
Lead, other .....	—	—	—	—	—
Lethane .....	gal.	1,534	8,166	67	358
Lime:					
Hydrated .....	tons	49,460	111,208	52,262	98,709
Quick .....	tons	21,307	259,548	28,307	263,058
Land plaster .....	tons	664	10,413	436	2,842
Limestone .....	tons	849,203	1,374,137	928,654	1,721,031
Litharge .....	lb.	2,743,332	482,728	3,365,581	546,890
Lithopone .....	lb.	11,625,803	885,552	9,727,558	769,744
Lumber .....	bd. ft.	996	94,583	43	3,073
Magnesium oxide .....	tons	743	28,710	898	33,388
Magnesium sulphate (Epsom salts) ..	lb.	1,589,322	60,625	1,509,261	54,675
Malt extract .....	lb.	—	—	501,527	66,081
Meal, ivory nut and other .....	lb.	338,907	8,740	540,128	151,858
Menthol .....	lb.	12,149	95,702	13,785	134,022
Mercury metal .....	lb.	435,440	328,918	147,182	130,494
Mercuric oxide .....	lb.	17,638	20,691	1,963	2,355
Methyl chloride .....	lb.	2,937,446	342,669	2,614,038	325,434
Mica, ground .....	lb.	1,137,583	48,030	2,191,105	76,193
Mustard seed .....	lb.	7,546,332	150,920	450,000	59,758
Nitrocellulose or nitrocotton .....	lb.	2,704,554	779,761	3,120,027	941,113
Ochres, siennas and umbers .....	lb.	520,636	48,240	556,752	53,895

TABLE 9. Materials Used in the Industries in the Chemicals and Allied Products Group, 1949 and 1950 - Continued

Item	1949		1950	
	Quantity	Cost at works \$	Quantity	Cost at works \$
Oil:				
Castor.....	gal. 467,059	854,423	472,697	897,261
Castor, dehydrated.....	gal. 147,643	436,451	134,782	381,426
Chinawood (tung).....	lb. 6,818,088	1,573,760	6,373,427	1,786,823
Cocconut.....	lb. 26,712,020	4,678,460	27,561,561	4,889,467
Cod.....	lb. 404,603	66,041	625,255	69,767
Cod liver.....	lb. 998,053	305,004	897,754	246,427
Corn.....	lb. 304	125	39,717	4,568
Cottonseed.....	lb. 1,740	587	6,823	871
Creosote.....	lb. -	-	10,650	1,045
Essential and perfume.....	-	2,252,727	-	2,513,205
Fish.....	lb. 4,715,012	568,278	3,853,422	398,103
Fish, hydrogenated.....	lb. 1,106,270	98,126	756,396	66,588
Linseed:				
Raw.....	gal. 1,903,994	3,656,460	1,999,181	3,887,896
Boiled and other.....	gal. 2,083,330	4,369,592	2,191,892	4,436,454
Polymerol.....	lb. 1,040,765	305,467	892,981	223,103
Varnol.....	lb. 150,030	36,779	102,824	26,206
Mineral, other.....	gal. 854,160	254,692	948,556	330,255
Mineral, white.....	lb. 2,721,791	276,406	2,131,953	216,932
Neat's foot.....	lb. 455,488	70,676	378,869	65,865
Oiticica.....	lb. 118,695	22,740	31,328	7,973
Olive.....	lb. 5,254	2,363	146,186	39,172
Palm.....	lb. 2,232,667	354,079	917,204	124,352
Palm kernel.....	lb. -	-	100,277	16,437
Peanut.....	lb. 70,418	2,677	5,638	1,055
Petroleum ink.....	lb. 11,227,190	237,348	10,667,400	219,232
Pine.....	lb. 251,040	25,270	324,828	38,637
Silicone.....	lb. -	-	16,040	92,307
Soya bean.....	gal. 206,848	280,780	419,026	653,365
Sperm.....	lb. 398,067	63,585	250,046	36,000
Sun flower.....	lb. -	-	-	-
Tall.....	lb. 2,015,871	130,181	3,042,874	169,300
Whale.....	lb. 151,482	23,442	-	-
Other.....	-	707,160	-	1,007,597
Paradichlorobenzene.....	lb. 608,265	67,903	990,492	157,456
Pentanol.....	lb. 550,000	79,187	558,584	101,944
Petrolatum.....	lb. 961,201	104,427	885,786	90,640
Petroleum distillates.....	gal. 7,121,500	2,024,410	7,917,716	2,417,431
Penicillin.....	million units 182,556	263,491	1,017,756	538,533
Phenacetin.....	lb. 153,266	150,428	98,191	103,754
Phenobarbital and other barbiturates.....	lb. 13,716	62,797	24,586	160,268
Phenol.....	lb. 5,793,529	723,971	7,797,459	1,110,348
Phosphorus, amorphous.....	lb. 12,356	5,121	10,846	4,588
Phosphorus sesquisulphide.....	lb. 100,963	34,859	88,303	31,526
Phosphate rock.....	tons 425,405	5,673,573	465,261	6,407,189
Phthalic anhydride.....	lb. 4,795,006	1,060,149	7,304,519	1,415,264
Pigments, all colour, and fillers, n.e.s.....	lb. 9,397,946	1,547,257	10,424,502	1,878,979
Pitch, coal tar.....	lb. 1,457,519	40,118	10,258,897	151,853
Plasticizers, n.e.s.....	lb. 2,324,647	913,447	3,147,864	1,049,874
Platinum.....	lb. -	134,557	-	120,311
Polyvinyl chloride.....	lb. 2,096,618	692,664	2,489,278	821,624
Potash manure salts.....	tons 3,425	72,132	336	6,475
Potassium bichromate.....	lb. 94,816	14,514	83,943	13,405
Potassium chlorate.....	lb. 21,129	2,740	1,005,878	108,375
Potassium chloride (muriate of potash).....	tons 89,077	3,845,507	96,586	4,277,276
Potassium hydroxide.....	lb. 2,088,033	153,105	2,274,603	180,749
Potassium iodide.....	lb. 20,779	41,159	64,663	110,929
Potassium magnesium sulphate.....	lb. 6,820,000	112,852	5,210,000	85,315
Potassium nitrate.....	lb. 525,500	49,041	643,800	54,730
Potassium perchlorate.....	lb. 70,828	10,416	75,798	12,667
Potassium sodium tartrate.....	lb. 25,056	6,398	18,435	6,580
Potassium sulphate.....	lb. 14,380,000	347,714	17,522,000	459,615
Powders, metallic (bronze, aluminum, etc.).....	lb. 590,554	290,599	736,259	359,637
Powders, rouges and other toilet preparations for packaging only..	lb. -	64,681	-	60,974
Pyrethrum extract and powder.....	lb. -	24,038	-	20,170
Pyrites.....	tons 67,100	431,435	71,713	514,558
Quartz and quartzite.....	tons 9,411	28,233	13,223	39,669
Quebracho extract.....	lb. 967,682	118,414	287,613	30,286
Rapeseed.....	lb. 45,029,505	2,426,775	7,554,200	303,168
Resins and gums, natural.....	lb. 9,577,497	1,170,073	8,408,215	931,378
Resins, synthetic, other.....	lb. 18,514,306	4,152,021	28,846,655	5,440,485
Resins, phenolic.....	lb. 223,850	53,270	458,315	99,646
Rosin.....	lb. -	636,708	-	675,241
Rubber:				
Chlorinated.....	lb. 74,371	36,246	104,473	59,074
Latex.....	lb. 381,096	83,447	1,881,795	379,197
Sawdust.....	lb. 680,160	4,413	595,033	3,424
Shellac:				
Orange.....	lb. 655,092	449,547	359,876	187,198
Bleached.....	lb. 696,506	496,267	1,343,811	890,306
Other.....	lb. 589,750	258,766	139,843	86,945
Silica sand.....	tons 75,426	580,514	73,393	561,324
Silver bullion.....	tray oz. 190,706	142,188	242,309	197,887
Sodium alginate.....	lb. 350	348	2,300	1,374
Sodium azide.....	lb. 6,759	8,150	7,216	8,689
Sodium benzoate.....	lb. -	-	8,957	3,636
Sodium bicarbonate.....	lb. 2,704,935	79,780	2,640,303	75,869

TABLE 9. Materials Used in the Industries in the Chemicals and Allied Products Group, 1949 and 1950 - Concluded

Item	1949		1950	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Sodium bichromate .....	lb. 54,825	5,917	303,379	33,015
Sodium bromide .....	lb. —	—	40,189	13,823
Sodium carbonate (soda ash) .....	lb. 66,991,911	1,161,815	78,157,246	1,404,005
Sodium carboxymethylcellulose .....	lb. —	—	282,820	56,153
Sodium chlorate .....	lb. 5,811,117	453,143	5,694,303	463,416
Sodium chloride (brine) .....	lb. 615,726,000	307,863	807,798,000	944,607
Sodium chloride (common salt) .....	lb. 262,606,336	1,211,583	373,196,670	1,852,402
Sodium fluoride .....	lb. 334,735	36,609	308,089	33,982
Sodium hydroxide (caustic soda) .....	lb. 58,797,787	1,835,797	67,744,183	2,109,255
Sodium, metallic .....	lb. 27,915	5,769	10,855	2,362
Sodium metasilicate .....	lb. 889,760	37,227	1,122,043	50,712
Sodium nitrate (chile saltpetre) .....	lb. 29,243,354	836,967	31,836,375	942,742
Sodium peroxide .....	lb. 27,609	5,439	39,839	9,091
Sodium phosphate (di) .....	lb. 1,102,709	93,729	1,523,172	121,481
Sodium phosphate (tetra) .....	lb. 5,764,872	521,530	8,283,205	784,371
Sodium phosphate (tri) .....	lb. 7,824,027	387,150	7,953,693	437,294
Sodium salicylate .....	lb. 15,981	9,852	23,464	12,583
Sodium silicate (water glass) .....	lb. 43,220,986	527,678	49,324,679	623,237
Sodium sulphate .....	lb. 103,537	8,124	63,445	8,913
Sodium sulphide .....	lb. 203,988	10,745	630,391	25,006
Solvents .....	gal. 2,026,915	761,839	2,323,198	919,016
Soya beans .....	lb. 257,936,070	11,460,680	294,885,620	14,391,557
Starch:				
Corn .....	lb. 2,655,603	184,192	3,294,213	225,632
Other .....	lb. 1,035,040	76,766	931,221	72,307
Strontium carbonate .....	lb. 990	327	1,891	634
Strontium nitrate .....	lb. 509,781	52,782	502,849	57,004
Strontium oxalate .....	lb. 311	182	225	100
Strychnine .....	lb. 1,528	23,860	1,845	27,835
Sugar .....	lb. 4,076,484	346,420	4,118,609	379,761
Sulpha drugs .....	—	479,107	—	492,872
Sulphur (brimstone) .....	tons 73,704	1,896,907	86,437	2,355,331
Sulphur dioxide .....	—	50,782	—	53,926
Sunflower seed .....	lb. 28,725,183	1,655,809	15,952,529	706,358
Superphosphate:				
18% .....	tons 20,194	400,099	15,918	296,198
20% .....	tons 277,195	5,763,270	294,176	6,540,168
38-48% .....	tons 3,840	112,626	11,010	389,014
Ammoniated 3-18-0 .....	tons 7,497	198,970	8,654	278,761
Talc .....	lb. 22,296,938	375,695	36,119,973	667,509
Tallow, grease and other soap stock .....	lb. 107,064,870	9,322,071	122,515,440	10,106,412
Tankage .....	tons 1,259	35,011	397	11,383
Tar:				
Crude, coal .....	gal. 31,966,747	4,029,215	39,696,687	4,528,977
Water gas, crude .....	gal. 579,097	69,317	1,761,418	169,709
Tetral .....	lb. 18,600	16,346	19,500	18,662
Titanium pigments, reduced .....	lb. 21,664,105	1,956,767	15,892,741	3,723,784
Titanium oxide, white .....	lb. 12,035,579	2,629,818	27,845,287	2,709,007
Toluol .....	lb. 10,154,025	452,049	11,488,049	582,258
Trichlorethylene .....	lb. 75,613	8,508	81,792	9,108
Trinitrotoluol (T.N.T.) .....	lb. 441,500	57,471	321,185	52,287
Turpentine .....	gal. 309,664	206,840	351,665	295,065
2,4-D .....	lb. —	—	1,863,616	683,145
Urea crystals .....	lb. 2,210,740	132,979	3,934,152	232,929
Varnishes .....	gal. 687,054	1,311,355	583,607	1,202,668
Vitamins (A, B, C and D) .....	—	1,151,625	—	1,052,450
Wax:				
Beeswax .....	lb. 266,415	145,627	348,980	197,668
Candelilla .....	lb. 114,556	75,754	124,601	106,162
Carnauba .....	lb. 1,601,487	1,402,205	1,640,371	1,513,253
Ouricury .....	lb. 68,493	51,957	56,624	47,432
Paraffin .....	lb. 9,335,968	701,865	20,333,048	868,381
Synthetic .....	lb. 40,256	21,059	48,735	26,925
Other .....	lb. 8,113,489	680,234	2,147,110	545,182
Wood:				
Blocks and splints .....	—	786,207	—	775,861
Flour .....	lb. 1,873,943	44,379	2,785,580	72,490
Hardwood for distillation .....	cord 27,471	324,082	22,182	208,793
Pulp .....	lb. 12,744,304	901,678	16,930,496	1,228,286
Xylol .....	gal. 428,830	211,717	508,420	300,486
Yarns .....	lb. 916,136	457,337	1,060,042	533,916
Zinc chloride .....	lb. 19,695	1,571	—	—
Zinc chromate .....	lb. 203,453	55,973	233,478	72,411
Zinc dross .....	lb. 148,732	8,886	584,000	63,008
Zinc oxide:				
Pure .....	lb. 4,508,762	671,979	5,291,501	839,326
Leaded .....	lb. 2,141,333	334,432	2,686,505	422,525
Zinc spelter .....	lb. 11,643,716	1,242,196	20,643,289	2,725,129
Zinc stearate .....	lb. 20,024	9,496	18,537	8,799
Zinc sulphate .....	lb. 231,252	15,385	287,421	17,939
Containers and packing material .....	—	34,059,608	—	37,868,031
All other materials .....	—	50,273,270	—	52,994,065
<b>TOTAL .....</b>	<b>—</b>	<b>280,008,945</b>	<b>—</b>	<b>307,705,741</b>

TABLE 10. Alphabetical List of Products Made in the Industries in the Chemicals and Allied Products Group, 1949 and 1950

Note. This is simply a list of the principal products made by concerns in the Chemicals and Allied Products group of industries with corresponding output figures where it is possible to publish them. It is not intended to be a complete list of chemicals made in Canada as numerous chemicals are made in other industries; similarly the production figures may not represent totals for Canada as there may have been a production in other industries.

Item	1949		1950	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Acetaldehyde .....		.		.
Acetic anhydride .....		.		.
Acetone .....		.		.
Acetylene black .....		.		.
Acetylene in cylinders or delivered by pipe line .....	cu. ft. 120,831,500	3,420,827	124,375,068	3,586,705
Acid:				
Acetic, glacial, 99% .....		.		.
Cresylic .....		.		.
Crotonic .....		.		.
Fatty, other .....	lb. 4,539,617	523,025	4,792,099	618,888
Hydrochloric (muriatic):				
Commercial .....		.		.
C.P. ....		.		.
Hydrofluosilicic .....		.		.
Monochloro acetic .....		.		.
Nitric:				
Commercial .....		.		.
C.P. ....		.		.
Oleic .....		.		.
Phosphoric .....		.		.
Stearic .....		.		.
Sulphuric:				
Commercial (for sale) .....	lb. 1,309,835,622	5,610,742	1,408,560,772	6,474,194
C.P. ....		.		.
Aluminum chloride .....		.		.
Aluminum fluoride .....		.		.
Aluminum stearate .....		.		.
Aluminum sulphate .....		.		.
Ammonia:				
Anhydrous .....		.		.
Aqua .....		.		.
Ammonia powder .....	lb. 2,045,714	123,788	3,073,000	197,000
Ammonium chloride .....		.		.
Ammonium hydroxide:				
Commercial .....		.		.
C.P. ....		.		.
Ammonium nitrate:				
Regular .....		.		.
Fertilizer compound .....		.		.
Ammonium phosphate (fertilizer) .....		.		.
Ammonium sulphate (fertilizer) .....		.		.
Ammonium sulphate (milled, screened and bagged only) .....	tons 448	24,817	471	27,670
Amyl acetate .....		.		.
Anesthetics, other .....		140,323		165,395
Aniline oil .....		.		.
Anti-freeze preparations .....		7,673,698		4,908,381
Automobile chemicals (brake fluid, tar remover, etc.) .....		1,325,354		1,545,373
Biological preparations and vaccines .....		2,155,563		2,606,224
Boiler compounds .....		1,891,582		2,184,240
Bone meal:				
Raw .....	lb. 801,116	35,486	212	15,107
Steamed .....	lb. 2,303,584	75,627	1,256	93,308
Butane .....		.		.
Butyl acetate .....		.		.
Butyl alcohol .....		.		.
Butyraldehyde .....		.		.
Caffeine, anhydrous .....		.		.
Calcium acetate, grey, 80% .....		.		.
Calcium acid phosphate .....		.		.
Calcium arsenate .....		.		.
Calcium carbide .....		.		.
Calcium chloride .....		.		.
Calcium cyanamide .....		.		.
Calcium cyanide .....		.		.
Calcium naphthenate .....		.		.
Calcium stearate .....		.		.
Carbon bisulphide .....		.		.
Carbon dioxide (in cylinders and solid) .....	lb. 27,619,739	1,873,721		
Carboxymethylcellulose .....		.		.
Cellulose film .....		.		.
Cellulose sponges .....		.		.
Cement:				
Linoleum .....	lb. 3,884,000	242,000	5,803,000	324,000
Rubber .....	gal. 142,382	141,632		187,174
Other .....		173,000		147,000
Cerium .....		.		.
Charcoal .....	tons 12,805	562,787	7,503	291,361
Chloride of lime .....	lb. 2,973,599	151,532	1,869,000	113,000
Chlorine:				
Gas .....	lb. 188,776	3,997	242,801	5,693
Liquid (for sale) .....	lb. 133,919,852	2,590,848	165,631,839	3,272,693
Chloroform .....	lb.	.		.
Chloral .....		.		.
Chromium oxide .....		.		.

TABLE 10. Alphabetical List of Products Made in the Industries in the Chemicals and Allied Products Group, 1949 and 1950 - Continued

Item	1949		1950	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Cleaners:				
Drain pipe, toilet flush .....	lb.	3,112,873	360,559	3,300,000
Hand .....	lb.	3,274,019	437,062	3,375,000
Glass .....		—	197,347	—
Cleaning and scouring powder and paste .....	lb.	24,241,067	2,361,181	26,735,000
Cleaning preparations, other .....	—	—	1,300,485	—
Cobalt naphthenate .....			•	•
Coke, pitch .....			•	•
Colours:				
Butter, cheese, etc. ....	—	—	74,148	—
Dry .....	lb.	4,261,705	1,819,443	2,159,442
In oils and japans .....	lb.	256,250	150,249	290,260
Copper naphthenate .....			•	•
Croton aldehyde .....			•	•
Cresol .....			•	•
Cryolite, recovered .....			•	•
D.D.T. products .....	—	—	964,806	—
Dentrifices, liquid, powder and paste .....	—	—	4,830,023	—
Detergents, synthetic .....	lb.	37,223,270	7,784,380	51,753,000
Dextrines .....			•	•
Dibutyl phthalate .....			•	•
Dichloroethyl ether .....			•	•
Dichlorophenol .....			•	•
Dicyandiamide .....			•	•
Diocetyl phthalate .....	—	—	—	—
Disinfectants .....	—	—	750,072	—
Dressings and finishes, leather, except polish .....	—	—	903,398	—
Dyes:				
Blended and packaged only .....	—	—	2,583,602	—
Leather .....	—	—	45,935	—
Embalming fluid .....	—	—	182,701	—
Enamels, ready-mixed, oil and synthetic type .....	gal.	5,410,777	22,201,116	6,086,537
Ethyl acetate .....			•	•
Ethylene .....			•	•
Ethylene dichloride .....			•	•
Explosives and ammunition .....			•	•
Ferric chloride .....			•	•
Ferrophosphorus .....			•	•
Fertilizers, mixed .....	tons	656,668	24,535,054	665,791
Flavouring extracts .....	—	—	688,766	—
Flour bleaching compound .....			•	•
Fluorspar, flotation .....			•	•
Glue:				
Bone and hide .....	lb.	7,026,432	1,825,268	8,156,676
Casein .....	lb.	505,011	140,441	965,852
Fish .....	lb.	890,445	372,189	1,162,685
Flexible .....	lb.	1,402,606	313,728	2,020,167
Soya bean .....	—	—	93,776	—
Synthetic resin .....	lb.	7,329,736	770,817	11,656,797
Vegetable, dry .....	lb.	2,370,582	239,556	2,710,379
Vegetable, liquid .....	lb.	17,956,294	1,483,286	16,983,354
Other .....	lb.	228,811	45,087	359,262
Glycerine:				
Crude .....	lb.	1,875,651	354,886	2,358,000
Refined .....	lb.	11,794,054	3,476,657	13,367,000
Glycols:				
Ethylene .....			•	•
Diethylene .....			•	•
Triethylene .....			•	•
Guanidine nitrate .....			•	•
Hydrogen .....	cu. ft.	88,790,070	318,132	106,103,532
Hydrogen chloride, anhydrous .....			•	•
Hydrogen peroxide, liquid .....			•	•
Inks:				
Newspaper .....	lb.	11,622,985	1,078,480	11,911,722
Letterpress .....	lb.	4,493,923	3,110,093	5,006,391
Lithographing .....	lb.	4,236,346	3,050,106	4,134,355
Stamping .....	lb.	26,850	41,083	71,975
Other printing .....	lb.	1,214,272	348,285	1,432,918
Writing:				
Liquid .....	lb.	878,057	309,704	—
Powder and pellets .....	lb.	7,602	7,103	36,180
Insecticides, other:				
Agricultural dust and spray, not specified elsewhere .....	—	—	1,797,295	—
Fly spray .....	—	—	111,463	—
Gopher poison .....	—	—	53,188	—
Moth repellant .....	—	—	519,246	—
Rat and mouse poison .....	—	—	101,413	—
Other household .....	—	—	213,064	—
Livestock spray and powder .....	—	—	416,832	—
Iron oxide pigments, synthetic .....			•	•
Iron naphthenate .....			•	•
Isobutylene .....			•	•
Javel water:				
Under 12% .....	—	—	2,982,746	—
12% and over .....	—	—	1,471,056	—

TABLE 10. Alphabetical List of Products Made in the Industries in the Chemicals and Allied Products Group, 1949 and 1950 - Continued

Item	1949		1950	
	Quantity	Selling value at works	Quantity	Selling value at works
Lacquers, cellulose:		\$		\$
Clear .....	gal. 1,132,066	2,754,804	1,418,160	3,547,206
Pigmented .....	gal. 647,864	2,616,489	660,296	2,649,911
Lead acetate .....		.		.
Lead arsenate .....		.		.
Lead naphthenate .....		.		.
Lead oxide:		.		.
Red .....		.		.
Litharge .....		.		.
Lead, white:		.		.
Dry .....		.		.
Ground in oil .....		.		.
Lecithen .....		.		.
Lighter fluid .....	—	127,693	—	175,984
Lime-sulphur solution .....	gal. 507,995	104,417	369,462	78,146
Magnesium stearate .....		.		.
Manganese naphthenate .....		.		.
Matches:		.		.
In books .....	No. of books 372,846,885	1,238,367	318,586,787	943,083
Other .....	—	2,840,295	—	2,712,792
Medicinals and pharmaceuticals, other .....	—	43,890,792	—	43,640,257
Methyl hydrate:		.		.
Refined .....		.		.
Crude .....		.		.
Muriate of potash (fertilizer):		.		.
Milled, screened and bagged only .....	tons 2,084	125,455	1,636	94,541
Naphthalene .....		.		.
Nickel salts .....		.		.
Nitrogen .....		.		.
Nitrous oxide .....		.		.
Nitrobenzol .....		.		.
Oil, sulphonated:		.		.
Castor .....	lb. 1,159,100	200,239	1,516,586	380,799
Cocconut .....	lb. 91,527	17,500	103,388	20,689
Cod .....	lb. 731,710	99,684	787,673	110,953
Neat's Foot .....	lb. 401,296	76,160	347,841	62,586
Other blends .....	lb. 4,738,395	697,851	—	640,313
Castor, dehydrated .....		.		.
Cocconut, crude .....		.		.
Core .....		.		.
Cresote .....	gal. 12,556,889	2,998,378	—	—
Lard .....		.		.
Linseed:		.		.
Boiled .....	gal. 1,463,475	3,103,897	1,034,422	1,745,774
Processed .....	gal. 3,119,037	6,037,588	4,132,053	7,124,406
Raw (sold as such) .....	gal. 5,847,077	10,724,006	5,232,708	8,128,681
Mustard seed, crude .....		.		.
Neat's foot, cold pressed .....		.		.
Rapeseed, crude .....		.		.
Soya bean, crude .....	tons 22,101	7,062,269	24,802	7,652,918
Soya bean, processed .....	tons —	—	1,165	361,493
Stand, blown and enamel .....	gal. 94,890	114,909	77,463	78,138
Sun flower, crude .....		.		.
Other .....	—	327,044	—	528,130
Oilcake and oil cake meal:		.		.
Cocconut .....		.		.
Linseed .....	tons 78,442	5,236,506	81,827	5,647,324
Mustard seed .....	—	.		.
Rapeseed .....	—	.		.
Soya bean .....	—	99,795	116,680	9,346,942
Sun flower .....	—	.		.
Oxygen in cylinders or delivered by pipe line .....	cu. ft. 657,134,873	5,567,476	690,362,200	5,400,670
Paint:		.		.
Paste paints (not including water-paste paints) .....	lb. 5,156,649	1,032,436	6,371,201	1,233,217
Water-thinned paints:		.		.
Resin emulsion paints, paste and semi-paste form:		.		.
Interior .....	imp. gal. 801,172	2,301,368	1,118,325	3,506,315
Exterior .....	imp. gal. 7,923	22,932	12,200	32,055
Cold water paints:		.		.
Interior, casein and protein bound:		.		.
Dry and semi-paste form .....	imp. gal. 39,738	74,078	57,487	114,322
Dry powder form .....	lb. 3,695,479	429,659	3,382,585	398,961
Glue bound .....	lb. 665,258	45,617	746,170	50,170
Exterior:		.		.
Casein and protein bound .....	lb. 133,132	19,811	83,075	15,608
Lime or cement bound .....	lb. 1,080,017	125,189	1,559,810	176,653
Texture-type water paints .....	lb. 2,055,440	164,977	1,961,200	147,054
Calcimines:		.		.
Hot water .....	lb. 2,428,660	127,127	2,171,586	121,136
Cold water .....	lb. 1,057,960	78,551	880,645	83,151
Ready-mixed paints .....	gal. 9,541,205	33,558,799	10,767,291	36,433,811
Paint and varnish remover .....	gal. 121,566	335,359	127,571	385,334
Paraldehyde .....		.		.
Parathion .....		.		.
Paste:		.		.
Dry powder .....	—	412,302	—	332,339
Liquid, including mucilage .....	—	187,724	—	304,949



TABLE 10. Alphabetical List of Products Made in the Industries in the Chemicals and Allied Products Group, 1949 and 1950 - Continued

Item	1949		1950	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Penicillin .....	Billion units	1,398	1,570,810	—
Penicillin preparations .....	—	—	3,635,645	—
Pentacetyl acetate .....	—	—	—	4,207,959
Perchloroethylene .....	—	—	—	—
Phenol .....	—	—	—	—
Phenothiazine .....	—	—	—	—
Phosphorus:				
Amorphous .....	—	—	—	—
Yellow .....	—	—	—	—
Phenacetin .....	—	—	—	—
Phosphorus sesquisulphide .....	—	—	—	—
Phthalic anhydride .....	—	—	—	—
Patching material:				
For walls .....	lb.	2,328,838	172,091	3,052,980
For floors .....	lb.	376,378	65,446	396,425
Pitch, coal tar .....	tons	92,291	2,489,125	113,510
Polish:				
Automobile (including wax) .....	—	—	384,409	—
Brass .....	—	—	61,190	—
Furniture .....	—	—	373,872	—
Shoe and shoe dressing .....	—	—	1,020,394	—
Silver .....	—	—	79,793	—
Stove .....	—	—	66,833	—
Other .....	—	—	129,334	—
Polyethylene film .....	—	—	—	—
Polyvinyl alcohol .....	—	—	—	—
Potassium chlorate .....	—	—	—	—
Propane gas .....	—	—	—	—
Putty .....	lb.	11,480,644	824,919	12,221,000
Railway signal bombs and signal boxes .....	—	—	—	836,000
Rennet extract .....	—	—	—	—
Resins, synthetic:				
Alkyd .....	—	—	—	—
Casein .....	—	—	—	—
Phenol-formaldehyde .....	—	—	—	—
Polystyrene .....	—	—	—	—
Urea-formaldehyde .....	—	—	—	—
Vinyl acetate .....	—	—	—	—
Vinyl chloride .....	—	—	—	—
Rollers, printers' .....	—	—	504,194	—
Rust preventatives .....	—	—	343,877	—
Rubber plasticizers and accelerators .....	—	—	—	—
Rubber, synthetic .....	—	—	—	—
Sex hormones .....	—	—	1,529,312	—
Size, rosin .....	lb.	13,920,320	860,982	—
Soap:				
Castile:				
Boiled .....	lb.	500,244	80,037	649,577
Cold pressed .....	lb.	905,265	160,826	529,615
Chips and flakes:				
Household packages .....	lb.	17,736,647	3,379,695	16,070,360
Bulk .....	lb.	14,145,399	1,732,648	13,088,951
Laundry, bar:				
Household:				
White .....	lb.	12,445,025	1,472,329	10,253,839
Yellow .....	lb.	19,289,669	3,029,891	20,076,190
Liquid .....	lb.	9,626,245	1,199,411	11,256,000
Polishing and scouring .....	lb.	569,829	59,552	825,000
Powder:				
Household packages .....	lb.	84,830,257	12,712,642	95,691,239
Bulk .....	lb.	7,370,348	855,044	9,837,610
Shaving cream:				
Lather .....	lb.	899,573	1,079,493	1,010,000
Brushless .....	lb.	228,842	244,700	260,000
Other .....	lb.	298,637	327,240	336,000
Soft, paste and jelly .....	lb.	1,792,971	205,810	3,069,940
Textile and mill .....	lb.	2,548,642	359,577	6,336,000
Toilet, bar .....	lb.	36,779,678	10,729,588	40,375,000
Other, hard .....	lb.	1,530,723	161,519	1,605,000
Other .....	lb.	1,910,266	194,106	—
Sodium acid pyrophosphate .....	—	—	—	—
Sodium arsenate .....	—	—	—	—
Sodium arsenite .....	—	—	—	—
Sodium azide .....	—	—	—	—
Sodium benzoate .....	—	—	—	—
Sodium carbonate:				
Soda ash .....	—	—	—	—
Sal soda .....	lb.	4,764,215	119,042	4,257,000
Sodium chlorate .....	—	—	—	—
Sodium cyanide .....	—	—	—	—
Sodium fluoride .....	—	—	—	—
Sodium hydrosulphide .....	—	—	—	—
Sodium hydroxide (caustic soda) (for sale) .....	lb.	—	—	231,586,517
Sodium hypochlorite .....	—	—	—	—
Sodium nitrate fertilizer (milled, screened and bagged only) .....	tons	23	1,898	86
Sodium (di) phosphate .....	—	—	—	—

**TABLE 10. Alphabetical List of Products Made in the Industries in the Chemicals and Allied Products Group, 1949 and 1950 - Concluded**

Item	1949		1950	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Sodium (mono) phosphate .....		•		•
Sodium (tetra) phosphate, anhydrous .....		•		•
Sodium (tri) phosphate .....		•		•
Sodium metabisulphite .....		•		•
Sodium silicate .....		•		•
Sodium stearate .....		•		•
Sodium sulphate (saltcake) .....		•		•
Sodium sulphamethazine .....		•		•
Sodium sulphite, anhydrous .....		•		•
Sodium thiosulphite .....		•		•
Sodium tripolyphosphate .....		•		•
Soldering flux .....	—	101,451	—	68,380
Stains (oil spirit, varnish, etc.) .....	gal. 471,524	1,170,837	362,739	862,913
Starches, blended .....		•		•
Stearine .....		•		•
Streptomycin .....		•		•
Streptomycin preparations .....	—	283,645	—	206,402
Sulphur dioxide, liquid .....		•		•
Styrene .....		•		•
Superphosphate fertilizer:				
Actually made .....		•		•
Milled, screened and bagged only .....	tons 10,869	318,715	14,934	464,576
Sweeping compounds .....	—	343,937	—	452,807
2-ethylhexanol .....		•		•
Tankage .....	tons 2,710	138,825	3,707	214,170
Tanners' bate .....		•		•
Tar, refined .....	gal. 3,542,989	538,458	4,324,703	661,048
Textile and leather finishes .....	—	1,583,150	—	2,224,475
Thinners, for lacquers, paints and enamels .....	gal. 1,574,315	1,996,794	1,940,186	2,474,844
Toilet preparations (except dentifrices) .....	—	21,145,059	—	24,139,834
Trichlorethylene, crude .....		•		•
Turpentine .....		•		•
Toluene .....		•		•
Vanillin .....		•		•
Varnishes (Japans, shellac, etc.) .....	gal. 3,612,794	7,860,166	3,518,253	8,746,369
Veterinary medicines .....	—	767,960	—	807,510
Vinyl acetate .....		•		•
Vitamins .....	—	9,163,941	—	10,196,670
Washing blue .....		•		•
Washing compounds, other .....	lb. —	272,826	—	400,000
Wax, floor:				
Paste .....	lb. 7,553,753	2,472,823	7,385,043	2,452,210
Liquid .....	gal. 600,572	1,341,047	530,877	1,007,365
Self polishing .....	gal. 1,265,235	3,566,736	779,860	4,601,249
Wax, sealing .....		•		•
Wax, paraffin, refined .....		•		•
Weed killer .....	—	1,425,199	—	2,160,846
Welding compounds .....		•		•
Zinc chloride .....		•		•
Zinc naphthenate .....		•		•
Zinc oxide .....		•		•
Zinc stearate .....		•		•
Zinc, white, in oil .....		•		•
All other products .....	—	53,932,723	—	28,783,302
Products reported by only one or two firms in this group (marked * above) ..	—	155,994,789	—	214,727,513
<b>Total .....</b>	<b>—</b>	<b>587,398,215</b>	<b>—</b>	<b>646,870,510</b>



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