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CANADA



CHEMICALS AND ALLIED PRODUCTS
1953
GENERAL REVIEW

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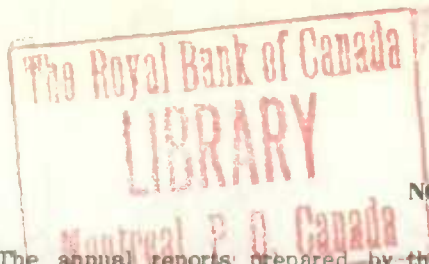
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NOTICE

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, 25¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 25¢
 - 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—Textiles
- VIII—Wood and Paper Products
- IX—Printing Trades
- X—Iron and Steel Products
- XI—Transportation Equipment
- XII—Non-ferrous Metal Products
- XIII—Electrical Apparatus and Supplies
- XIV—Non-metallic Mineral Products
- XV—Products of Petroleum and Coal
- XVI—Chemicals and Allied Products
- XVII—Miscellaneous Manufactures

The present report belongs in Part XVI, 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¢

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CHEMICALS AND ALLIED PRODUCTS

1953

GENERAL REVIEW

Production of chemicals and allied products in Canada totalled \$881.5 millions in 1953 compared with \$796.6 millions in 1952, an increase of about 10.6 per cent. The net value of production, or the value added by manufacturing, also advanced, the \$448.3 millions in 1953 being 8.3 per cent higher than the \$414.1 millions in 1952.

The gross values of production by industries were as follows, in millions of dollars; Acids, alkalies and salts, \$127.3; fertilizers, \$84.4; medicinal and pharmaceutical preparations, \$93.6; paints and varnishes, \$113.2; primary plastics \$44.5; soaps, washing compounds and cleaning preparations, \$89.2; toilet preparations, \$30.4; vegetable oils, \$50.8; inks, \$12.8; adhesives, \$12.1; polishes and dressings, \$17.2; compressed gases \$15.7; coal tar distillation, \$13.6; and miscellaneous chemical products, \$176.5.

In the entire group there were 1,105 plants in 1953 with approximately 50,000 employees and an aggregate pay roll of \$165 millions. The 539 works in Ontario accounted for 56 per cent of the production and 49 per cent of employees and the 368 plants in Quebec accounted for 32 per cent of the total output and 41 per cent of the workers. The other provinces with 198 plants accounted for about 12 per cent of the total Canadian production. Materials used in manufacturing processes cost \$403.7 millions and fuel and electricity cost \$29.5 millions.

Exports of chemicals and allied products showed an increase in 1953, the value of \$137.9 millions being about 10 per cent higher than the \$124.6 millions in 1952. Exports to the United States amounted to \$84.6 millions or 61 per cent of the total shipped to all foreign countries.

Imports at \$221.8 millions were about 18 per cent higher than the \$187.7 millions in 1952. About 87 per cent of the imports came from the United States while the United Kingdom accounted for about 8 per cent.

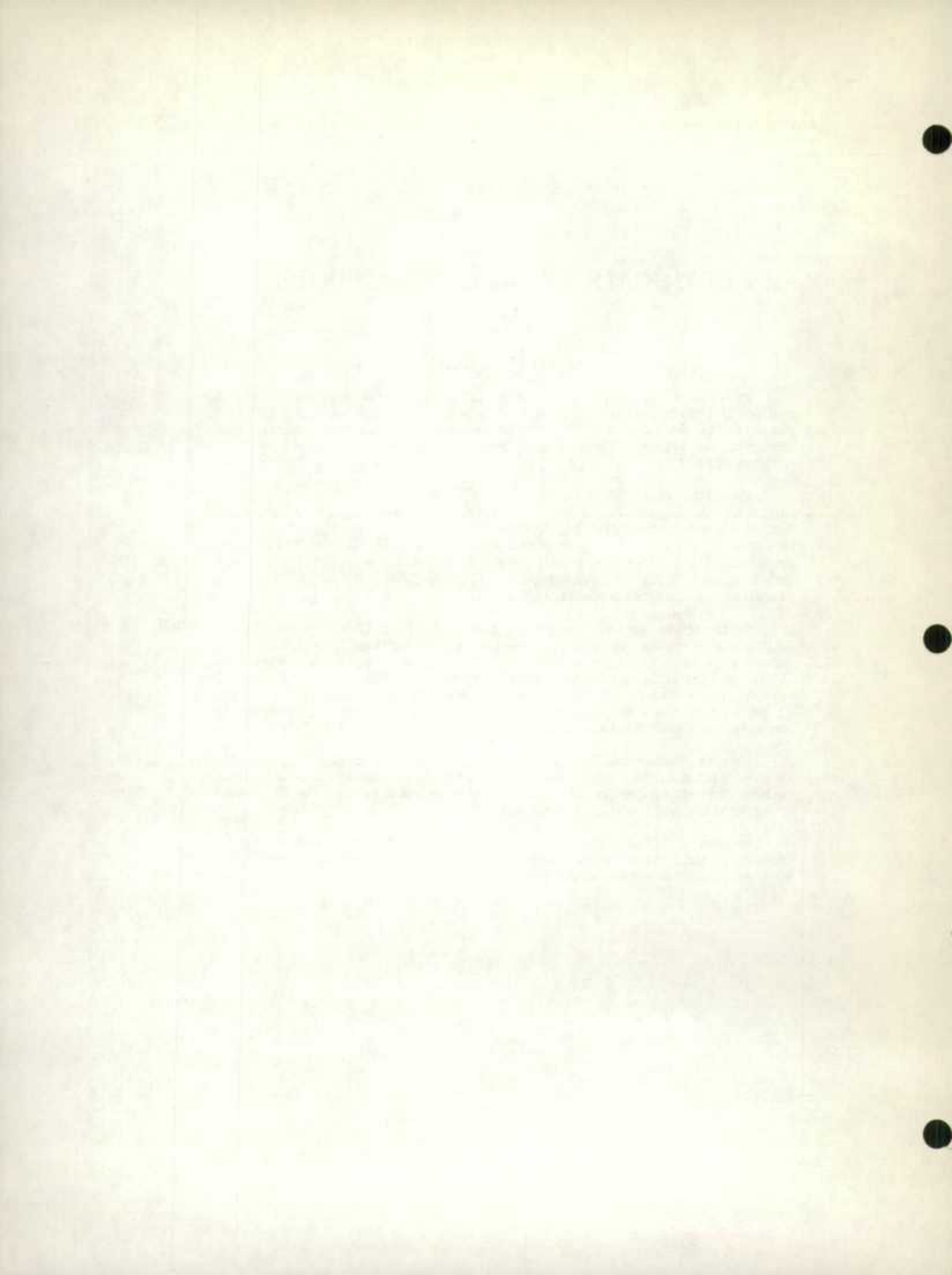


TABLE 1. Principal Statistics for the Chemicals and Allied Products Group, by Industries, 1952 and 1953

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 ¹ value of production
	No.	No.	\$	\$	\$	\$	\$
1952							
Acids, alkalis and salts	29	7,591	27,208,422	11,167,181	37,777,278	114,187,526	65,243,067
Fertilizers	39	3,205	11,325,300	1,887,038	38,450,277	78,743,491	38,406,176
Medicinals and pharmaceuticals	213	7,457	20,481,873	751,605	27,350,129	88,022,387	59,920,653
Paints and varnishes	116	5,784	17,220,333	732,978	53,118,889	107,406,164	53,554,297
Primary plastics	16	1,850	6,505,167	734,518	18,774,923	34,638,754	15,129,313
Soaps, washing compounds and cleaning preparations	136	3,756	12,755,324	1,079,655	35,013,348	84,461,282	48,368,279
Toilet preparations	101	1,870	4,244,777	115,434	9,720,012	27,059,763	17,224,337
Vegetable oils	13	723	2,428,287	581,146	44,478,536	51,931,990	6,872,308
Inks	34	854	2,584,220	88,821	4,839,331	10,923,553	5,995,401
Adhesives	30	706	2,128,897	367,382	6,106,121	10,838,879	4,365,376
Polishes and dressings	51	751	1,928,870	101,575	7,734,894	15,966,171	8,129,702
Compressed gases	47	1,250	3,889,969	468,401	2,425,663	16,201,464	13,307,400
Coal tar distillation	11	500	1,679,495	655,814	7,143,102	12,634,276	4,635,360
Miscellaneous chemical products	239	11,397	33,694,741	5,924,334	64,886,257	143,546,514	72,735,923
Total	1,075	47,694	148,075,675	24,655,882	357,818,760	796,562,234	414,087,592
1953							
Acids, alkalis and salts	41	8,278	31,174,479	13,264,151	43,083,175	127,299,437	70,952,111
Fertilizers	40	3,199	11,511,643	1,948,620	39,310,484	84,354,369	43,095,265
Medicinals and pharmaceuticals	217	7,492	21,758,651	822,438	30,716,172	93,557,168	62,018,558
Paints and varnishes	122	5,887	19,237,809	756,392	55,144,047	113,247,805	57,347,366
Primary plastics	19	2,160	7,916,418	904,454	24,497,716	44,541,882	19,139,712
Soaps, washing compounds and cleaning preparations	141	3,824	13,126,296	1,194,015	38,323,494	89,248,823	49,731,314
Toilet preparations	94	1,955	4,648,547	121,950	11,309,157	30,438,474	19,007,367
Vegetable oils	13	675	2,345,831	492,220	43,992,061	50,843,440	6,359,159
Inks	33	891	2,891,130	107,523	5,198,173	12,823,046	7,517,350
Adhesives	29	707	2,144,997	403,118	6,490,797	12,082,115	5,188,200
Polishes and dressings	49	845	2,401,858	95,121	7,704,870	17,230,068	9,430,077
Compressed gases	45	1,226	4,046,344	490,833	2,240,446	15,712,330	12,981,251
Coal tar distillation	11	541	1,861,353	755,122	7,551,105	13,634,899	5,328,672
Miscellaneous chemical products	251	12,527	39,524,954	8,185,181	88,124,634	176,489,989	80,180,174
Total	1,105	50,207	164,590,810	29,540,938	403,686,331	881,503,845	448,276,576

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

TABLE 2. Principal Statistics for the Chemicals and Allied Products Group, by Provinces, 1952 and 1953

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.	No.	\$	\$	\$	\$	\$
1952							
Newfoundland	5	75	187,565	14,566	637,423	1,197,423	545,434
Prince Edward Island and Nova Scotia	18	340	915,942	172,770	4,446,521	7,872,099	3,252,808
New Brunswick	7	158	448,120	60,743	2,957,217	4,297,093	1,279,133
Quebec	346	19,604	58,228,015	6,968,288	101,063,826	232,829,744	124,797,630
Ontario	538	23,503	75,359,662	16,071,755	212,188,860	456,018,240	237,757,625
Manitoba	43	726	1,750,973	135,797	6,960,325	12,601,574	5,505,452
Saskatchewan	8	160	540,034	24,524	530,857	1,270,308	714,827
Alberta	24	650	2,187,580	816,245	3,605,491	11,030,815	6,609,079
British Columbia	86	2,478	8,457,784	391,194	25,428,240	59,444,938	33,625,504
Canada	1,075	47,694	148,075,675	24,655,882	357,818,760	796,562,234	414,087,592
1953							
Newfoundland	6	71	224,082	17,761	641,652	1,293,889	634,476
Prince Edward Island and Nova Scotia	18	334	917,304	156,218	4,112,475	7,587,368	3,318,675
New Brunswick	7	157	466,637	59,903	3,927,055	5,766,008	1,779,050
Quebec	368	20,649	65,534,921	8,093,413	134,026,946	281,016,371	138,896,012
Ontario	539	24,587	82,619,177	19,455,440	225,307,664	497,732,377	252,969,273
Manitoba	41	701	1,755,955	142,332	6,893,994	12,959,219	5,922,893
Saskatchewan	8	172	624,828	30,816	1,155,741	2,075,735	889,178
Alberta	27	1,077	3,833,794	1,163,472	4,976,848	14,582,297	8,441,977
British Columbia and Northwest Territories	91	2,459	8,614,112	421,583	22,643,956	58,490,581	35,425,042
Canada	1,105	50,207	164,590,810	29,540,938	403,686,331	881,503,845	448,276,576

CHEMICALS AND ALLIED PRODUCTS

TABLE 3. Principal Statistics by Size of Establishment, for the Chemicals and Allied Products Group, 1953

	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of materials	Gross value of factory shipments
	No.	No.	\$	\$	\$	\$
(a) Factory shipments						
Under \$10,000	169	271	381,770	29,956	317,201	825,632
\$10,000 to \$24,999	122	365	677,226	39,929	737,421	2,024,709
\$25,000 to \$49,999	99	615	1,439,151	108,033	1,645,137	3,515,677
\$50,000 to \$99,999	131	971	2,561,163	161,145	4,198,511	9,450,703
\$100,000 to \$199,999	120	1,391	3,888,300	287,066	7,157,875	17,145,304
\$200,000 to \$499,999	170	2,906	11,853,265	1,200,707	25,422,475	54,756,755
\$500,000 to \$999,999	128	5,568	16,611,114	1,327,763	39,538,481	90,869,019
\$1,000,000 to \$4,999,999	129	13,971	44,447,036	5,536,976	121,255,567	251,406,204
\$5,000,000 and over	37	21,474	75,921,058	20,849,363	203,413,663	451,509,842
Head offices	—	1,675	6,810,727	—	—	—
Totals	1,105	50,207	164,590,810	29,540,938	403,686,331	881,503,845
(b) Employees						
Under 5 employees	371	830	1,673,247	104,447	3,716,620	8,956,838
5 to 14 employees	304	2,566	7,246,046	521,403	22,269,439	45,683,799
15 to 49 employees	245	6,787	20,711,625	2,124,378	72,199,956	139,305,506
50 to 99 employees	95	6,346	18,690,308	1,861,484	64,835,610	126,226,012
100 to 199 employees	46	6,678	21,841,155	2,707,456	64,690,346	132,976,745
200 to 499 employees	30	9,971	34,135,318	6,742,034	66,283,693	170,745,776
500 to 999 employees	8	6,325	22,268,038	3,424,770	45,390,058	105,272,729
1,000 to 1,499 employees	6	9,029	31,214,348	12,054,966	64,300,609	152,336,440
1,500 and over	—	—	—	—	—	—
Head offices	—	1,675	6,810,727	—	—	—
Totals	1,105	50,207	164,590,810	29,540,938	403,686,331	881,503,845

TABLE 4. New Investment in Durable Physical Assets and Repair and Maintenance, in the Chemicals and Allied Products Group, 1939 - 1953

Year	New investment			Repair and maintenance			Total
	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Sub-total	
Millions of dollars							
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	5.7	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
1951	19.2	38.5	57.7	4.0	24.8	28.8	86.5
1952	61.2	79.8	141.0	4.5	26.6	31.1	172.1
1953	32.2	89.9	122.1	4.2	26.0	30.2	152.3

TABLE 5. Employees and Their Earnings in the Chemicals and Allied Products Group, by Industries, 1952 and 1953

Industry	Number of employees					Earnings		
	Supervisory and office		Production and related workers		Total	Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
						\$	\$	\$
1952								
Acids, alkalies and salts	1,552	477	5,514	48	7,591	8,454,848	18,753,574	27,208,422
Fertilizers	707	207	2,268	23	3,205	3,678,439	7,646,861	11,325,300
Medicinals and pharmaceuticals	1,639	1,428	2,218	2,172	7,457	11,060,506	9,421,367	20,481,873
Paints and varnishes	1,602	869	2,943	370	5,784	8,191,616	9,028,717	17,220,333
Primary plastics	495	181	1,118	56	1,850	2,723,764	3,781,403	6,505,167
Soaps, washing compounds and cleaning preparations	1,013	566	1,750	427	3,756	5,725,049	7,030,275	12,755,324
Toilet preparations	268	370	438	794	1,870	2,114,449	2,130,328	4,244,777
Vegetable oils	177	64	479	3	723	939,721	1,488,566	2,428,287
Inks	180	98	522	54	854	1,074,518	1,509,702	2,564,220
Adhesives	150	82	434	40	706	764,627	1,364,270	2,128,897
Polishes and dressings	172	161	258	160	751	1,063,528	865,342	1,928,870
Compressed gases	337	225	686	2	1,250	1,679,805	2,210,164	3,889,969
Coal tar distillation	96	20	381	3	500	465,461	1,214,034	1,679,495
Miscellaneous chemical products	2,454	961	6,499	1,483	11,397	12,085,270	21,609,471	33,694,741
Total	10,842	5,709	25,508	5,635	47,694	60,021,601	88,054,074	148,075,675
1953								
Acids, alkalies and salts	1,675	569	5,748	86	8,278	10,602,269	20,572,210	31,174,479
Fertilizers	752	208	2,219	20	3,199	3,910,993	7,600,650	11,511,643
Medicinals and pharmaceuticals	1,642	1,473	2,231	2,164	7,492	11,288,283	10,470,368	21,758,651
Paints and varnishes	1,587	872	3,067	361	5,887	9,189,522	10,048,287	19,237,809
Primary plastics	571	207	1,319	63	2,160	3,249,777	4,666,641	7,916,418
Soaps, washing compounds and cleaning preparations	1,061	597	1,767	399	3,824	6,006,125	7,120,171	13,126,296
Toilet preparations	308	363	446	838	1,955	2,256,598	2,391,949	4,648,547
Vegetable oils	167	64	442	2	675	981,060	1,364,771	2,345,831
Inks	192	99	545	55	891	1,156,507	1,732,623	2,891,130
Adhesives	172	78	419	38	707	827,278	1,317,719	2,144,997
Polishes and dressings	180	176	292	197	845	1,291,285	1,110,573	2,401,858
Compressed gases	289	222	714	1	1,226	1,675,900	2,370,944	4,046,844
Coal tar distillation	107	29	401	4	541	528,636	1,332,717	1,861,353
Miscellaneous chemical products	2,583	1,072	7,165	1,707	12,527	13,656,350	25,868,604	39,524,954
Total	11,468	6,029	26,775	5,935	50,207	66,622,583	97,968,227	164,590,810

TABLE 6. Employees and Their Earnings in the Chemicals and Allied Products Group, by Provinces, 1952 and 1953

Province	Number of employees					Earnings		
	Supervisory and office		Production and related workers		Total	Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
						\$	\$	\$
1952								
Newfoundland	11	6	46	12	75	56,993	130,572	187,565
Prince Edward Island and Nova Scotia	74	27	226	13	340	313,119	602,823	915,942
New Brunswick	22	8	126	2	158	102,186	345,934	448,120
Quebec	4,694	2,322	9,911	2,677	19,604	25,374,663	32,853,352	58,228,015
Ontario	5,105	3,043	12,644	2,710	23,503	29,750,560	45,609,102	75,359,662
Manitoba	170	87	380	89	726	725,076	1,025,897	1,750,973
Saskatchewan	73	37	45	5	160	408,772	131,262	540,034
Alberta	152	44	435	19	650	708,070	1,479,510	2,187,580
British Columbia and Northwest Territories	540	135	1,695	108	2,478	2,582,162	5,875,622	8,457,784
Canada	10,842	5,709	25,508	5,635	47,694	60,021,601	88,054,074	148,075,675
1953								
Newfoundland	12	4	42	13	71	67,253	156,829	224,082
Prince Edward Island and Nova Scotia	74	29	218	13	334	321,598	595,706	917,304
New Brunswick	22	8	125	2	157	107,641	358,996	466,637
Quebec	4,735	2,388	10,643	2,883	20,649	27,310,074	38,224,847	65,534,921
Ontario	5,460	3,239	13,099	2,789	24,587	33,169,994	49,449,183	82,619,177
Manitoba	155	83	386	77	701	730,844	1,025,111	1,755,955
Saskatchewan	77	39	51	5	172	466,182	158,646	624,828
Alberta	334	99	588	56	1,077	1,573,698	2,260,096	3,833,794
British Columbia and Northwest Territories	599	140	1,623	97	2,459	2,875,299	5,738,813	8,614,112
Canada	11,468	6,029	26,775	5,935	50,207	66,622,583	97,968,227	164,590,810

CHEMICALS AND ALLIED PRODUCTS

TABLE 7. Production and Related Workers (Wage-earners) in the Chemicals and Allied Products Group, by Industries and by Months, 1953

Month	Acids, alkalis and salts	Fertilizers	Medicinals and pharmaceuticals	Paints and varnishes	Primary plastics	Soaps and cleaning preparations	Toilet preparations	
	Number							
January	5,346	2,317	4,245	3,242	1,194	2,127	1,183	
February	5,357	2,205	4,296	3,301	1,185	2,208	1,207	
March	5,404	2,228	4,327	3,428	1,219	2,219	1,231	
April	5,416	2,421	4,357	6,495	1,228	2,122	1,219	
May	5,737	2,330	4,388	3,566	1,285	2,132	1,268	
June	5,947	2,088	4,444	3,543	1,388	2,140	1,305	
July	6,148	2,078	4,378	3,541	1,401	2,124	1,307	
August	6,095	2,166	4,436	3,512	1,450	2,154	1,346	
September	6,140	2,327	4,490	3,416	1,499	2,213	1,375	
October	6,172	2,295	4,500	3,362	1,557	2,198	1,346	
November	6,187	2,219	4,478	3,374	1,606	2,193	1,335	
December	6,075	2,197	4,404	3,348	1,607	2,174	1,278	
Average	5,834	2,239	4,395	3,428	1,382	2,166	1,284	
	Vegetable oils	Inks	Adhesives	Polishes and dressings	Compressed gases	Coal tar distillation	Miscellaneous	Total
	Number							
January	408	584	425	470	677	371	8,313	30,902
February	390	592	428	508	683	382	8,295	31,047
March	397	595	450	537	691	382	8,394	31,502
April	412	595	459	506	698	396	8,489	31,813
May	409	593	456	502	706	421	8,753	32,546
June	430	593	449	488	740	423	8,992	32,970
July	460	588	450	489	765	440	9,045	33,214
August	475	600	465	481	758	428	9,184	33,550
September	482	606	461	487	733	406	9,339	33,974
October	501	616	466	488	721	409	9,296	33,927
November	513	620	489	456	712	409	9,267	33,858
December	448	611	472	460	708	400	9,106	33,288
Average	444	600	457	489	715	465	8,872	32,710

TABLE 8. Production and Related Workers (Wage-earners) in the Chemicals and Allied Products Group, by Provinces and by Months, 1953

Month	Newfoundland	Prince Edward Island and Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia and Northwest Territories	Canada
	Number									
January	50	208	113	12,651	15,218	439	51	501	1,671	30,902
February	49	204	136	12,685	15,363	446	50	482	1,632	31,047
March	52	215	160	12,833	15,586	454	57	477	1,668	31,502
April	55	271	166	13,088	15,607	473	60	433	1,660	31,813
May	61	282	192	13,406	15,945	490	52	484	1,634	32,546
June	61	235	106	13,684	16,090	500	58	559	1,677	32,970
July	63	230	107	13,782	16,098	480	54	684	1,716	33,214
August	59	225	109	13,924	16,192	466	51	745	1,779	33,550
September	57	216	112	14,126	16,296	457	57	785	1,866	33,974
October	54	225	115	14,111	16,214	459	65	855	1,829	33,927
November	52	226	106	14,159	16,163	460	61	866	1,765	33,858
December	53	222	113	13,856	15,909	460	60	880	1,735	33,288
Average	55	231	127	13,526	15,888	463	56	644	1,720	32,710

TABLE 9. Materials Used in the Industries in the Chemicals and Allied Products Group, 1952 and 1953

Item	1952		1953	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Acetic anhydride	lb. 3,594,227	394,900	2,340,871	255,046
Acetone	lb. 3,172,132	396,576	5,005,231	534,814
Acetanilid	lb. 8,332	4,418	7,315	3,610
Acetylene	cu. ft. 148,876,201	1,113,364	153,827,308	1,134,603
Acid:				
Acetic	lb. 789,210	93,798	2,622,698	248,867
Acetylsalicylic	lb. 683,233	443,681	717,362	421,971
Arsenic (As ₂ O ₃)	lb. 965,870	49,038	1,002,424	42,137
Benzole	lb. 186,795	65,995	188,680	61,743
Boric or boracic	lb. 179,325	18,915	165,190	17,261
Citric	lb. 807,417	228,227	706,316	194,596
Cresylic	lb. 275,361	40,090	127,629	17,215
Fatty, n.e.s.	lb. 675,717	69,788	663,456	55,947
Formic	lb. 119,375	28,953	145,135	29,392
Gallic	lb. 831	1,089	673	1,126
Hydrochloric (muriatic)	lb. 3,036,516	94,924	4,003,508	104,602
Naphthenic	lb. 1,942,000	213,620	1,967,786	188,907
Nitric	lb. 13,235,407	565,372	8,618,006	294,677
Oleic	lb. 1,094,928	153,665	1,021,011	141,687
Oxalic	lb. 392	105	328	81
Phosphoric	lb. 2,229,409	156,634	1,310,183	97,090
Stearic	lb. 1,412,002	205,532	1,638,210	214,130
Sulphuric	lb. 1,136,381,049	4,920,218	1,093,345,057	4,860,421
Tannic	lb. 3,694	4,173	3,550	5,225
Tartaric	lb. 482,605	188,330	559,323	199,294
Alcohol:				
Amyl (fusel oil)	gal. 1,997	3,929	900	1,843
Butyl	lb. 2,159,613	355,353	2,752,208	405,190
Ethyl	gal. 1,036,326	1,562,618	1,518,618	1,908,775
Isopropyl	lb. 1,576,506	178,518	2,286,705	229,163
Methyl (wood) refined	gal. 266,326	245,457	1,276,643	585,466
Aluminum rod, strip, etc.	lb. 41,082	19,279	39,052	17,723
Aluminum hydrate	lb. 28,234,040	705,851	57,612,502	1,440,313
Aluminum sulphate	lb. 1,082,002	23,205	760,950	19,227
Ammonia:				
Anhydrous	lb. 159,630,214	4,525,804	154,377,711	4,597,176
Liquor	—	1,623,530	—	1,667,922
Ammonium chloride	lb. 144,978	12,443	305,710	29,943
Ammonium nitrate	lb. 28,627,399	1,032,204	25,447,111	992,672
Ammonium phosphate	tons 9,051	789,960	6,832	607,066
Ammonium sulphate	tons 31,590	1,563,287	42,415	2,061,844
Amyl acetate	lb. 386,787	88,291	558,627	128,505
Arsenic, white (As ₂ O ₃)	lb. 114,314	8,624	88,804	5,586
Asphalt	gal. 3,612,726	501,468	3,963,588	522,518
Barium chloride	lb. 348,401	25,761	473,037	32,152
Barium nitrate	lb. 111,065	13,338	197,792	19,161
Barytes	lb. 2,436,167	88,476	2,672,802	101,791
Bentonite (filtrol, Pembina, etc.)	tons 726	51,104	739	59,656
Benzol	lb. 2,418,836	129,381	7,804,836	452,794
Bismuth metal	lb. 51,479	118,866	15,753	35,797
Bismuth salts	lb. 15,947	55,286	15,108	51,466
Black, lamp, bone and other, n.e.s.	lb. 323,856	71,668	331,240	63,426
Blanc fixe	lb. 462,726	18,123	494,311	17,390
Blood, dried	tons 51	5,555	62	6,202
Blue, ultramarine	lb. 257,469	77,658	267,990	74,773
Bone meal and bone flour	tons 86	7,104	55	4,167
Bones	tons 12,717	442,469	16,703	759,732
Borax	lb. 2,120,804	92,304	1,943,453	88,724
Brass rod, strip, etc.	lb. 1,244,271	450,826	1,395,964	497,575
Brucite fines	tons 89	2,102	994	52,600
Butyl acetate	lb. 3,375,671	571,974	4,164,503	608,878
Butyl cellulosolve	lb. 65,860	18,938	87,897	22,298
Caffeine	lb. 22,294	94,582	25,973	72,725
Calcium arsenate	lb. 274,595	28,660	359,080	34,881
Calcium carbide	lb. 24,984,605	1,380,483	25,315,525	1,381,898
Calcium carbonate (ground chalk, whitening)	lb. 23,848,248	414,995	26,497,611	457,681
Calcium chloride	lb. 3,214,583	69,254	3,370,892	81,640
Calcium sulphate	lb. 1,493,895	22,792	2,069,321	29,794
Camphor	lb. 41,029	28,888	58,757	32,851
Carbon bisulphide	lb. 4,260,745	261,572	4,618,523	288,456
Carbon black	lb. 1,782,156	268,487	1,810,293	277,348
Carbon dioxide gas (unpurified)	—	45,110	—	54,624
Carbon tetrachloride	lb. 495,876	64,755	262,482	29,360
Casein	lb. 1,211,233	317,666	1,254,134	274,365
Chalk precipitated	lb. 578,661	27,651	684,192	29,505
Charcoal	lb. 4,847,415	198,866	4,991,285	152,140
Chloride of lime	lb. 1,718,559	68,696	1,893,596	81,788
Chlorine, liquid	lb. 23,523,161	788,565	25,355,463	815,607
Coal:				
Anthracite (except for fuel)	tons 54,927	875,179	57,093	865,474
Bituminous (except for fuel)	tons 4,450	64,051	—	—
Cobalt acetate	lb. 3,850	4,466	2,785	3,230
Cobalt sulphate	lb. 68,624	69,539	3,038	3,099
Coke:				
Petroleum (except for fuel)	tons 13,585	252,855	633	12,000
For making carbon dioxide	—	—	—	—
Other (except for fuel)	tons 256,528	4,854,972	254,879	4,868,315

TABLE 9. Materials Used in the Industries in the Chemicals and Allied Products Group, 1952 and 1953 - Continued

Item	1952		1953		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Colours, chrome (see also zinc chromate)	lb.	2,448,173	956,727	2,487,980	962,809
Copper strip, sheet, etc.	lb.	2,278,460	364,589	2,164,200	898,473
Copper sulphate	lb.	450,956	92,442	416,184	95,381
Copra or dried coconut kernels	lb.	60,810,105	4,256,613	24,334,000	2,245,458
Cotton linters	lb.	421,394	68,829	386,141	48,228
Creosote	lb.	292,183	18,654	372,887	23,628
Cresol	lb.	708,945	116,071	735,296	112,936
D.D.T.	lb.	-	374,871	1,207,721	304,709
Dextrine	lb.	7,518,731	816,937	7,192,897	722,315
Diatomaceous earth	tons	7,633	371,124	8,643	427,881
Dibutyl phthalate	lb.	279,052	89,727	470,334	142,452
Dinitrotoluene	lb.	177,173	31,495	745,412	155,993
Driers:					
Linoleate	lb.	57,870	20,722	41,493	14,407
Naphthenate	lb.	1,743,746	559,784	2,053,973	642,735
Resinate	lb.	56,108	16,484	94,725	25,839
Other	lb.	504,618	157,755	449,460	137,430
Dyes and colours, other	lb.	284,183	151,052	307,581	169,594
Electrodes	-	-	1,126,198	-	851,010
Ether, sulphuric	lb.	76,971	18,558	56,407	13,411
Ethyl acetate	lb.	5,744,561	707,636	5,907,931	738,539
Ethylene glycol	lb.	37,227,137	6,766,915	21,074,716	3,475,671
Feldspar	tons	2,815	42,571	2,537	38,909
Ferric chloride	lb.	237,402	10,792	266,489	12,242
Flaxseed	bu.	3,661,402	15,458,623	4,653,328	14,789,235
Flour:					
Potato	lb.	43,829	4,355	270,962	22,929
Soya bean	lb.	503,124	34,469	449,422	32,465
Tapioca	lb.	583,074	67,325	669,928	103,069
Wheat	lb.	4,572,007	200,869	4,437,376	193,430
Other	lb.	707,367	45,013	711,497	43,028
Fluorspar	tons	45,399	1,466,067	59,556	1,931,287
Foots, olive and cotton seed	lb.	6,034,213	290,008	3,521,125	213,270
Formaldehyde	lb.	20,886,711	909,754	31,665,576	1,300,001
Fuller's earth	tons	323	16,810	303	15,433
Glucose	lb.	1,190,512	101,178	1,267,114	97,013
Glue	lb.	3,464,209	762,799	3,395,764	802,824
Glycerine:					
Crude	lb.	1,704,275	421,155	3,563,766	1,085,943
Refined	lb.	8,922,856	3,375,317	9,752,670	4,086,441
Graphite	lb.	804,334	168,347	788,132	164,775
Grease	lb.	5,170,513	305,063	5,061,762	266,211
Gun powder	lb.	774,146	333,980	734,585	330,826
Herbs, roots and vegetable drugs	-	-	461,662	-	387,282
Hides and hide trimmings	tons	19,330	486,577	19,391	377,460
Hydrogen chloride, anhydrous	lb.	7,343,456	345,110	8,287,063	381,110
Iodine, crude	lb.	73,769	127,670	102,515	159,538
Iron, scrap	tons	6,312	228,026	6,976	248,890
Iron oxide pigments	lb.	4,881,858	406,781	4,912,177	450,031
Javel concentrate or sodium hypochlorite for dilution	-	-	72,559	-	57,770
Kaolin or china-clay	lb.	5,169,408	95,147	4,701,694	83,515
Lanolin	lb.	115,535	42,959	216,385	102,528
Lead arsenate	lb.	59,627	10,671	83,333	15,042
Lead, basic carbonate, white, dry	lb.	1,866,763	385,715	1,632,194	288,785
Lead, basic carbonate, white, in oil	lb.	516,491	112,954	480,604	98,282
Lead, basic sulphate, white	lb.	463,537	91,440	530,080	84,696
Lead, pig	lb.	10,648,422	1,690,926	8,657,739	1,393,992
Lead, red	lb.	1,291,406	293,327	1,334,051	255,554
Lime:					
Hydrated	tons	29,274	136,782	43,524	208,361
Quick	tons	17,197	250,413	16,702	233,194
Land plaster	tons	578	12,473	1,153	21,505
Limestone	tons	1,004,722	1,913,360	992,775	1,920,659
Litharge	lb.	2,439,063	488,971	2,556,495	428,025
Lithopone	lb.	6,441,377	578,442	6,120,315	555,733
Lumber	M bd. ft.	612	95,069	327	46,479
Magnesium oxide	tons	1,375	60,630	1,017	52,312
Magnesium sulphate (Epsom salts)	lb.	1,343,043	47,589	2,239,042	60,966
Malt extract	lb.	566,856	68,082	463,652	64,505
Meal, ivory nut and other	lb.	913,459	33,984	1,130,540	41,881
Menthol	lb.	15,483	113,417	25,568	128,902
Mercury metal	lb.	129,799	206,930	160,430	295,756
Mercuric oxide	lb.	2,525	3,915	6,578	13,801
Methyl chloride	lb.	3,579,400	439,221	3,232,230	396,066
Mica, ground	lb.	1,503,321	71,298	1,686,228	80,916
Nitrocellulose or nitrocotton	lb.	4,173,599	1,447,597	3,714,631	1,168,824
Ochres, siennas and umbers	lb.	454,950	49,738	486,852	54,180

TABLE 9. Materials Used in the Industries in the Chemicals and Allied Products Group, 1952 and 1953 - Continued

Item	1952		1953	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Oil:				
Castor	gal. 339,285	987,419	367,896	775,556
Castor, dehydrated	gal. 131,261	465,929	102,922	302,632
Chinawood (tung)	lb. 4,965,807	1,750,370	4,783,056	1,251,389
Cocconut	lb. 20,773,569	2,480,837	18,483,862	2,894,466
Cod	lb. 818,469	107,331	807,930	99,818
Cod liver	lb. 365,477	103,575	382,518	103,499
Corn	lb. 102,180	18,903	49,868	4,737
Essential and perfume	-	2,818,644	-	2,854,424
Fish	lb. 2,088,252	270,326	2,444,102	236,835
Linseed:				
Raw	gal. 2,201,746	3,687,300	1,707,890	2,218,888
Boiled and other	gal. 1,967,515	3,918,961	2,003,998	3,023,971
Polymerol	lb. 419,821	101,911	669,282	114,419
Varnol	lb. 347,127	96,203	485,956	94,393
Mineral, other	gal. 705,307	223,872	817,349	271,692
Mineral, white	lb. 2,587,013	275,744	2,212,147	252,829
Neat's foot	lb. 310,292	45,863	396,629	51,653
Oiticica	lb. 194,029	53,993	102,150	26,353
Olive	lb. 57,200	16,097	60,164	17,923
Palm	lb. 120,530	16,373	126,605	13,296
Petroleum ink	lb. 1,113,642	284,585	1,247,724	314,944
Pine	lb. 354,267	49,148	359,653	49,950
Silicone	lb. 13,661	58,052	11,968	53,216
Soya bean	gal. 756,902	1,151,750	974,630	1,474,907
Sperm	lb. 538,931	72,718	449,030	53,808
Tall	lb. 2,435,076	145,372	2,654,405	153,620
Other	-	1,318,260	-	1,479,352
Paradichlorobenzene	lb. 925,121	148,553	1,546,611	200,085
Pentasol	lb. 452,232	91,453	185,100	31,852
Petrolatum	lb. 995,732	100,386	1,046,202	103,226
Petroleum distillates	gal. 7,609,476	2,518,768	8,921,310	2,889,758
Penicillin	-	945,548	-	431,804
Phenacetin	lb. 112,229	139,140	139,585	162,364
Phenobarbital and other barbiturates	lb. 36,175	222,573	27,260	152,975
Phenol	lb. 8,796,676	1,578,927	12,570,360	2,031,922
Phosphorus, amorphous	lb. 19,800	8,600	19,970	8,770
Phosphorus sesquisulphide	lb. 67,575	26,016	71,684	27,334
Phosphate rock	tons 483,889	7,072,810	495,122	7,111,680
Phthalic anhydride	lb. 8,678,008	2,020,160	10,792,493	1,889,011
Pigments, all colours and fillers, n.e.s.	-	3,626,210	-	4,102,226
Pitch, coal tar	lb. 1,148,201	31,505	1,595,464	64,013
Plasticizers, n.e.s.	lb. 2,440,493	864,082	2,392,246	1,064,360
Platinum	-	148,555	-	-
Polyvinyl chloride	lb. 2,330,248	898,014	3,441,847	1,309,687
Potassium bichromate	lb. 170,816	24,895	146,079	21,619
Potassium chlorate	lb. 1,068,868	121,165	1,080,489	123,954
Potassium chloride (muriate of potash)	tons 103,286	3,932,232	111,791	3,918,501
Potassium hydroxide	lb. 1,902,945	145,583	2,054,357	149,678
Potassium iodide	lb. 29,567	62,470	25,923	48,740
Potassium magnesium sulphate	lb. 3,013,000	45,431	3,100,000	45,144
Potassium nitrate	lb. 864,380	81,036	754,495	56,334
Potassium perchlorate	lb. 105,934	19,982	125,963	21,490
Potassium sodium tartrate	lb. 19,257	6,120	14,688	4,313
Potassium sulphate	lb. 17,972,524	452,991	19,746,494	487,434
Powders, metallic (bronze, aluminum, etc.)	lb. 734,315	361,819	1,042,674	504,976
Pyrethrum extract and powder	-	61,302	-	33,071
Pyrites	tons 65,291	583,472	77,997	731,215
Quartz and quartzite	tons 18,752	65,601	23,786	88,740
Quebracho extract	lb. 374,669	52,529	180,611	26,351
Rapeseed	lb. -	-	13,133,259	460,192
Resins and gums, natural	lb. 6,507,036	847,529	6,806,043	773,997
Resins, synthetic, other	lb. 28,354,786	7,259,874	35,173,514	8,056,605
Resins, phenolic	lb. 2,908,004	827,982	3,216,795	947,547
Rosin	-	946,471	-	1,195,000
Rubber:				
Chlorinated	lb. 204,848	103,298	241,579	124,573
Latex	lb. 7,624,069	1,285,413	9,282,851	1,639,629
Sawdust	lb. 753,976	6,655	1,442,943	20,983
Shellac:				
Orange	lb. 354,408	152,672	364,339	129,283
Bleached	lb. 1,346,039	772,808	1,390,216	803,348
Other	lb. 475,335	301,718	860,881	475,350
Silica sand	tons 66,988	544,170	71,189	660,813
Silver bullion	troy oz. 267,133	225,989	309,822	260,687
Sodium azide	lb. 9,513	11,475	7,729	9,129
Sodium benzoate	lb. 12,112	5,585	12,908	4,864
Sodium bicarbonate	lb. 2,461,561	75,364	2,475,437	75,637

TABLE 9. Materials Used in the Industries in the Chemicals and Allied Products Group, 1952 and 1953 - Concluded

Item	1952		1953	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Sodium bichromate	lb. 806,146	109,431	1,008,373	136,090
Sodium bromide	lb. 48,599	19,065	50,605	17,319
Sodium carbonate (soda ash)	lb. 97,796,659	1,990,269	109,152,166	2,286,304
Sodium carboxymethylcellulose	lb. 605,426	128,932	903,812	198,114
Sodium chlorate	lb. 6,538,309	553,847	6,396,609	550,687
Sodium chloride (brine)	lb. 885,849,780	501,941	396,445,936	557,957
Sodium chloride (common salt)	lb. 399,523,961	2,153,901	400,158,325	2,118,724
Sodium fluoride	lb. 381,695	45,297	444,607	52,371
Sodium hydroxide (caustic soda)	lb. 66,238,047	2,226,302	79,564,875	2,715,247
Sodium, metallic	lb. 50,250	10,426	-	-
Sodium metasilicate	lb. 1,702,056	87,995	2,026,226	102,356
Sodium nitrate (chile saltpetre)	lb. 36,120,634	1,109,965	33,223,024	1,003,300
Sodium peroxide	lb. 39,132	8,438	40,344	8,105
Sodium phosphate (di)	lb. 1,744,878	144,171	1,627,227	135,478
Sodium phosphate (tetra)	lb. 76,617	7,365	270,747	25,549
Sodium phosphate (tri)	lb. 8,168,139	461,337	6,703,951	378,460
Sodium salicylate	lb. 22,992	12,146	21,846	11,406
Sodium silicate (water glass)	lb. 32,956,634	472,836	28,391,785	408,390
Sodium sulphate	lb. 2,975,930	68,727	3,048,246	67,417
Sodium sulphide	lb. 197,157	12,055	153,680	8,633
Solvents, n.e.s. gal.	3,138,795	1,484,527	2,899,006	1,662,958
Soya beans	lb. 431,359,280	22,408,905	515,423,480	25,183,611
Starch:				
Corn	lb. 2,938,261	261,123	2,958,672	231,358
Other	lb. 637,486	56,265	786,272	65,705
Strontium carbonate	lb. 2,307	1,117	2,466	1,278
Strontium nitrate	lb. 636,613	72,829	721,474	83,942
Strontium oxalate	lb. 300	231	280	199
Strychnine	lb. 1,439	23,262	1,070	17,117
Sugar	lb. 4,243,105	384,530	4,333,970	361,921
Sulpha drugs	-	537,781	-	471,524
Sulphur (elemental)	tons 94,557	2,855,672	91,702	3,218,394
Sulphur dioxide	-	114,750	-	189,433
Sunflower seed	lb. 7,269,879	254,480	2,432,576	102,135
Superphosphate:				
18%	tons 23,360	479,373	44,518	1,080,294
20%	tons 309,612	7,903,901	284,209	7,018,598
38-48%	tons 9,494	585,445	15,850	960,594
Ammoniated, 3-18-0	tons 393	16,114	356	13,028
Talc	lb. 31,863,115	588,419	34,543,992	623,491
Tallow, grease and other soap stock	lb. 103,858,068	6,567,774	106,418,899	4,697,342
Tankage	tons 130	7,571	58	3,605
Tar:				
Crude, coal	gal. 39,944,733	5,595,957	43,720,950	6,028,963
Water gas, crude	gal. 3,336,400	346,736	2,032,717	216,538
Tetryl	lb. 27,000	25,069	-	-
Titanium pigments, white	lb. 15,756,185	3,841,422	21,416,936	4,812,418
Titanium oxide, extended	lb. 25,752,562	2,431,647	25,814,234	2,421,222
Toluol	lb. 11,429,653	619,814	13,263,019	695,456
Trichlorethylene	lb. 221,381	25,111	112,569	13,281
Trinitrotoluol (T.N.T.)	lb. 1,430,764	281,854	686,750	132,250
Turpentine	gal. 314,619	291,513	365,186	302,837
2,4-D	lb. 1,148,828	679,875	1,143,406	602,755
Urea crystals	lb. 3,578,931	233,039	5,057,528	281,723
Varnishes	gal. 743,573	1,629,534	637,148	1,336,989
Vitamins (A, B, C and D)	-	1,058,406	-	1,269,324
Wax:				
Beeswax	lb. 442,395	310,865	325,023	203,277
Candelilla	lb. 61,061	46,243	70,513	57,672
Carnauba	lb. 1,841,123	1,848,028	1,487,140	1,621,013
Ouricury	lb. 36,986	29,265	67,470	51,313
Paraffin, including slack wax	lb. 32,179,558	1,211,652	38,691,041	1,612,304
Synthetic	lb. 59,839	35,231	75,788	50,053
Other	lb. 2,945,932	680,002	2,793,955	584,131
Wood:				
Blocks and splints	-	907,323	-	1,006,963
Flour	lb. 1,723,976	44,001	2,390,175	54,700
Hardwood for distillation	cords 20,415	255,718	17,177	207,524
Pulp	lb. 19,700,424	1,696,122	22,355,490	1,974,129
Xylol	gal. 644,318	374,721	7,315,467	412,407
Yarns	lb. 1,071,342	623,777	898,754	432,588
Zinc chromate	lb. 435,050	132,037	502,895	148,907
Zinc dross	lb. 2,345,689	287,379	1,513,967	127,753
Zinc oxide:				
Pure	lb. 5,071,927	927,353	5,682,419	821,148
Leaded	lb. 1,680,382	292,476	988,541	139,153
Zinc spelter	lb. 10,762,480	1,784,291	14,018,231	1,508,978
Zinc stearate	lb. 16,952	8,798	22,642	10,982
Zinc sulphate	lb. 145,974	12,050	146,765	11,275
Containers and packing material	-	49,396,225	-	54,534,033
All other materials	-	77,682,738	-	116,550,206
TOTAL	-	357,818,760	-	403,686,331

TABLE 10. Alphabetical List of Products Made in the Industries in the Chemicals and Allied Products Group, 1932 and 1933

Note. This is simply a list of the principal products made for sale 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	1952		1953	
	Quantity	Selling value at works	Quantity	Selling value at works
Acetaldehyde		\$		\$
Acetic anhydride
Acetone
Acetylene black
Acetylene in cylinders or delivered by pipeline	cu. ft. 152,024,204	4,957,888	155,392,530	5,180,019
Acid:				
Acetic, glacial, 99%
Cresylic
Crotonic
Fatty, other	lb. 7,152,653	725,213	7,807,045	883,125
Hydrochloric (muriatic):				
Commercial
C.P.
Hydrofluosilicic
Monochloro acetic
Nitric:				
Commercial
C.P.
Oleic
Phosphoric
Stearic
Sulphuric:				
Commercial, 100% (for sale)	lb. 1,422,416,209	7,864,023	1,452,900,263	9,104,854
C.P.
Aluminum chloride
Aluminum fluoride
Aluminum stearate
Aluminum sulphate
Ammonia:				
Anhydrous
Aqua
Ammonia powder	lb. 1,915,270	169,561	1,747,152	151,725
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 562	37,830	574	38,173
Amyl acetate
Anesthetics, other	—	183,567	—	159,480
Aniline oil
Anti-freeze preparations	Imp. gal. 2,697,651	6,868,738	1,127,330	2,531,059
Automobile chemicals (brake fluid, tar remover, etc.)	—	1,999,489	—	1,963,099
Biological preparations and vaccines	—	3,814,863	—	3,267,902
Boiler compounds	—	2,677,518	—	2,676,243
Bone meal:				
Raw	lb. 2,554,000	92,285	1,056,000	32,726
Steamed	lb. 612,000	25,396	250,000	7,643
Butane
Butyl acetate
Butyl alcohol
Butyraldehyde
Caffeine, anhydrous
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)
Carboxymethylcellulose
Cellulose film
Cellulose sponges
Cement:				
Linoleum	gal. 511,988	476,003	754,901	480,088
Rubber	gal. —	244,431	132,163	295,270
Other	—	691,048	—	546,310
Charcoal	tons 8,570	554,574	7,258	477,573
Chloride of lime	lb. 689,878	73,957	516,441	76,152
Chlorine:				
Gas	lb. 267,647	8,010	—	—
Liquid (for sale)	lb. 185,639,562	5,213,866	191,333,556	5,752,278
Chloroform

TABLE 10. Alphabetical List of Products Made in the Industries in the Chemicals and Allied Products Group, 1952 and 1953 - Continued

Item	1952		1953	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Cleaners:				
Drain pipe, toilet flush	lb.	3,087,618	2,733,053	306,606
Hand	lb.	3,671,956	4,438,323	651,309
Glass	—	—	—	243,851
Cleaning and scouring powder and paste	lb.	35,652,237	36,412,537	4,408,451
Cleaning preparations, other	—	—	—	2,825,878
Cobalt naphthenate	—	—	—	—
Coke, pitch	—	—	—	—
Colours:				
Butter, cheese, etc.	—	—	—	—
Dry	—	—	—	2,412,698
In oils and japans	lb.	65,328	62,547	435,329
Copper naphthenate	—	—	—	—
Croton aldehyde	—	—	—	—
Cresol	—	—	—	—
Cryolite, recovered	—	—	—	—
D.D.T. products	—	—	—	1,644,475
Dentifrices, liquid, powder and paste	—	—	—	6,568,673
Detergents, synthetic	lb.	86,743,291	114,624,000	28,703,807
Dextrines	—	—	—	—
Dibutyl phthalate	—	—	—	—
Dichloroethyl ether	—	—	—	—
Dicyandiamide	—	—	—	—
Diethyl phthalate	—	—	—	—
Disinfectants and deodorants (except for personal use)	—	—	—	1,715,572
Dressings and finishes, leather, except polish	—	—	—	1,299,841
Dyes:				
Leather	—	—	—	48,646
Embalming fluid	—	—	—	286,739
Enamels, ready-mixed, oil and synthetic type	gal.	6,286,691	6,642,619	30,542,791
Ethyl acetate	—	—	—	—
Ethylene oxide	—	—	—	—
Ethylene dichloride	—	—	—	—
Explosives and ammunition	—	—	—	—
Ferric chloride	—	—	—	—
Ferrophosphorus	—	—	—	—
Fertilizers, mixed	tons	644,583	689,720	32,451,331
Flavouring extracts	—	—	—	496,673
Flour bleaching compound	—	—	—	—
Fluorspar, flotation	—	—	—	—
Glue:				
Bone and hide	lb.	5,139,554	6,918,316	2,085,001
Casein	lb.	861,386	865,578	260,141
Fish	lb.	1,305,075	1,279,150	375,912
Flexible	lb.	2,083,501	2,378,926	574,437
Soya bean	lb.	629,050	558,600	86,375
Synthetic resin	lb.	16,400,681	21,396,542	2,653,157
Vegetable, dry	lb.	2,231,032	2,026,523	225,175
Vegetable, liquid	lb.	17,725,157	17,770,291	1,846,967
Other	lb.	634,949	659,214	159,846
Glycerine:				
Crude	lb.	3,805,060	2,471,883	724,081
Refined	lb.	9,204,269	9,934,470	4,278,882
Glycols:				
Ethylene	—	—	—	—
Diethylene	—	—	—	—
Triethylene	—	—	—	—
Guanidine nitrate	—	—	—	—
Hydrogen chloride, anhydrous	—	—	—	—
Hydrogen peroxide, liquid	—	—	—	—
Inks:				
Newspaper	lb.	12,589,413	14,078,031	1,418,866
Letterpress	lb.	4,424,663	5,322,706	5,681,613
Lithographing	lb.	3,035,212	1,540,825	1,864,623
Stamping	lb.	91,625	97,500	117,735
Other printing	lb.	1,927,857	4,095,955	2,442,729
Writing:				
Liquid	—	—	—	312,771
Powder and pellets	—	—	—	3,124
Insecticides, other:				
Agricultural dusts and sprays, not specified elsewhere	—	—	—	1,545,227
Fly spray	—	—	—	246,637
Gopher poison	—	—	—	18,040
Moth repellent	—	—	—	694,413
Rat and mouse poison	—	—	—	177,443
Other household	—	—	—	1,134,711
Livestock spray and powder	—	—	—	471,398
Iron oxide pigments, synthetic	—	—	—	—
Iron naphthenate	—	—	—	—
Isobutylene	—	—	—	—
Javel water	—	—	—	5,650,639

TABLE 10. Alphabetical List of Products Made in the Industries in the Chemicals and Allied Products Group, 1952 and 1953 - Continued

Item	1952		1953	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Lacquers, cellulose:				
Clear	gal. 1,345,983	3,789,027	1,681,376	4,686,474
Pigmented	gal. 656,659	2,866,375	669,363	2,885,975
Lead acetate
Lead arsenate
Lead naphthenate
Lead oxide:				
Red
Litharge
Lead, white:				
Dry
Ground in oil
Lecithin
Lighter fluid	-	189,864	-	189,993
Lime-sulphur solution	gal. 392,752	97,865	334,423	89,812
Magnesium stearate
Manganese naphthenate
Matches:				
In books	No. of books 398,697,857	1,471,030	468,154,540	1,708,407
Other	-	3,305,866	-	3,086,644
Medicinals and pharmaceuticals, other	-	57,044,099	-	60,374,000
Methyl hydrate:				
Refined
Crude		-		-
Muriate of potash (fertilizer):				
Milled, screened and bagged only	tons 1,728	99,155	1,550	84,930
Naphthalene
Nickel salts
Nitrous oxide
Nitrobenzol
Oil, sulphonated:				
Castor	lb. 995,481	238,641	1,156,036	249,836
Cocoanut	lb. 113,858	26,197	120,696	26,978
Cod	lb. 924,609	137,595	1,048,365	143,475
Neat's foot	lb. 298,117	64,981	360,359	71,870
Other blends	lb. 3,268,898	551,928	3,725,906	607,657
Oils:				
Castor, dehydrated
Cocoanut, crude
Core
Creosote	gal. 11,608,114	3,226,226	13,750,179	3,846,145
Lard
Linseed:				
Bolled	gal. 622,056	1,146,468	553,789	768,739
Processed	gal. 3,236,802	7,071,334	3,103,099	4,162,564
Raw (sold as such)	gal. 4,085,762	7,066,498	6,367,636	7,247,997
Neat's foot, cold-pressed
Soya bean, crude	tons 35,687	10,323,951	43,950	12,713,090
Soya bean, processed	tons 109	40,002	1,682	534,422
Stand, blown and enamel	gal. 55,847	71,001	46,436	47,830
Sunflower, crude
Other	-	1,060,377	-	824,016
Oilcake and oilcake meal:				
Cocoanut
Linseed	tons 59,072	4,981,043	75,942	6,137,763
Soya bean	tons 171,390	15,474,894	207,127	15,911,631
Sunflower
Oxygen in cylinders or delivered by pipeline	cu. ft. 882,449,080	7,840,421	811,270,828	7,057,062
Paint:				
Paste paints (not including water-paste paints)	lb. 4,114,024	1,006,491	3,691,073	1,002,264
Water-thinned paints:				
Resin emulsion paints, paste and semi-paste form:				
Interior	Imp. gal. 371,532	1,159,859	218,098	687,988
Exterior	Imp. gal. -	-	19,769	52,234
Cold water paints:				
Interior, casein and protein bound:				
Dry and semi-paste form	Imp. gal. 41,463	82,234	26,181	54,634
Dry powder form	lb. 2,436,015	290,212	1,845,651	260,763
Glue bound	lb. 747,516	58,661	319,876	26,412
Exterior:				
Casein and protein bound	lb. 124,897	19,314	43,890	5,550
Lime or cement bound	lb. 2,073,318	216,007	1,921,748	256,240
Texture-type water paints	lb. 1,674,622	148,851	1,411,967	122,410
Calcimines:				
Hot water	lb. 1,629,044	118,786	773,692	64,437
Cold water	lb. 659,995	64,174	693,072	90,912
Ready-mixed paints	gal. 10,643,024	40,129,346	11,333,913	42,300,280
Paint and varnish remover	gal. 103,168	298,617	135,941	386,941
Paraldehyde
Parathion
Paste:				
Dry powder	-	337,900	-	318,578
Liquid, including mucilage	-	251,158	-	313,757

TABLE 10. Alphabetical List of Products Made in the Industries in the Chemicals and Allied Products Group,
1952 and 1953 - Continued

Item	1952		1953	
	Quantity	Selling value at works \$	Quantity	Selling value at works \$
Penicillin
Penicillin preparations	-	3,169,057	-	2,919,078
Pentazol acetate
Perchloroethylene
Phenol
Phenothiazine
Phosphorus:		.		.
Amorphous
Yellow
Phenacetin
Phosphorous sesquisulphide
Phthalic anhydride
Patching material:		.		.
For walls	lb. 4,138,310	349,045	4,493,098	414,201
For floors	lb. 350,629	66,525	322,162	61,954
Pltch, coal tar	tons 131,742	4,477,039	132,737	4,783,378
Polish:		.		.
Automobile (including wax)	-	349,991	-	485,160
Brass	-	105,877	-	101,950
Furniture	-	857,400	-	747,546
Shoe and shoe dressing	-	1,098,656	-	1,232,792
Silver	-	161,225	-	153,226
Stove	-	57,934	-	49,475
Other	-	203,686	-	307,595
Polyethylene film
Polyvinyl alcohol
Potassium chlorate
Putty	lb. 11,175,893	816,501	11,158,748	814,065
Railway signal bombs and signal boxes	-	559,515	-	516,846
Rennet extract
Resins, synthetic:		.		.
Alkyd (for sale)	lb. 14,463,616	2,986,972	16,021,958	3,886,456
Casein
Cellulose acetate
Phenol-formaldehyde
Polystyrene
Urea-formaldehyde
Vinyl acetate
Vinyl chloride
Rollers, printers'	-	623,587	-	669,111
Rust preventives	-	649,859	-	725,809
Rubber plasticizers and accelerators
Rubber, synthetic	lb. 165,694,185	38,470,052	180,262,515	42,129,082
Sex hormones	-	2,502,689	-	2,254,608
Size, rosin	-	1,141,572	-	1,198,815
Soap:		.		.
Castile:		.		.
Boiled	lb. 812,535	155,569	356,671	68,635
Cold-pressed	lb. 558,447	115,295	599,458	140,454
Chips and flakes:		.		.
Household packages	lb. 9,356,390	2,369,751	9,962,465	2,744,312
Bulk	lb. 11,352,511	1,355,186	11,600,905	1,200,183
Laundry, bar:		.		.
Household:		.		.
White	lb. 7,048,886	1,159,674	6,334,851	1,013,409
Yellow	lb. 16,660,017	2,419,686	14,952,094	2,116,538
Liquid	lb. 11,052,503	1,260,445	12,234,070	1,394,972
Polishing and scouring	lb. 125,718	23,020	91,277	9,957
Powder:		.		.
Household packages	lb. 75,787,406	15,179,859	63,338,405	11,782,006
Bulk	lb. 11,250,932	1,516,480	10,604,450	1,303,167
Shaving cream:		.		.
Lather	lb. 964,613	1,419,373	994,957	1,524,027
Brushless	lb. 373,665	384,962	429,716	434,451
Other	lb. 289,301	369,094	305,831	370,556
Soft, paste and jelly	lb. 2,881,700	361,803	3,927,571	413,243
Textile and mill	lb. 5,019,496	656,259	4,388,842	551,814
Toilet, bar	lb. 37,085,432	10,352,814	38,454,395	11,225,256
Other, hard	lb. 1,831,927	188,945	739,930	71,356
Other	lb. 2,869,067	309,660	1,702,653	213,565
Sodium acid pyrophosphate
Sodium arsenate
Sodium arsenite
Sodium azide
Sodium benzoate
Sodium carbonate:		.		.
Soda ash
Sal soda	lb. 4,162,473	127,258	3,761,870	129,440
Sodium chlorate
Sodium cyanide
Sodium fluoride
Sodium hydrosulphide
Sodium hydroxide (caustic soda) (for sale)	lb. 275,630,509	7,691,189	296,459,277	3,393,168
Sodium hypochlorite
Sodium (di) phosphate
Sodium (mono) phosphate
Sodium (tetra) phosphate, anhydrous
Sodium (tri) phosphate
Sodium metabisulphite

TABLE 10. Alphabetical List of Products Made in the Industries in the Chemicals and Allied Products group, 1952 and 1953 - Concluded

Item	1952		1953	
	Quantity	Selling value at works	Quantity	Selling value at works
Sodium silicate		\$		\$
Sodium stearate
Sodium sulphate (saltcake)
Sodium sulphamethazine
Sodium sulphite, anhydrous
Sodium thiosulphite
Sodium tripolyphosphate
Soldering flux
Stains (oil spirit, varnish, etc.)	gal. 432,736	1,147,453	348,673	924,973
Starches, blended
Stearine
Streptomycin
Streptomycin preparations	-	93,373	-	127,865
Sulphur dioxide, liquid
Styrene
Superphosphate fertilizer:				
Actually made
Milled, screened and bagged, only	tons 13,179	486,172	14,479	521,064
Sweeping compounds	-	605,516	-	634,919
2-ethylhexanol
Tankage	tons 2,960	170,571	3,215	146,920
Tanners' bate
Tar, refined	gal. 3,976,884	715,905	4,742,967	842,477
Textile and leather finishes		2,406,509	-	2,852,725
Thinners, for lacquers, paints and enamels	gal. 2,150,810	3,155,209	2,292,978	3,471,035
Toilet preparations (except dentifrices)	-	28,123,254	-	30,627,466
Trichlorethylene, crude
Turpentine
Toluene
Vanillin
Varnishes (Japans, shellac, etc.)	gal. 3,342,858	9,120,851	3,281,179	9,173,238
Veterinary medicines	-	1,091,829	-	1,525,415
Vinyl acetate
Vitamin preparations	-	12,728,461	-	12,282,451
Washing blue
Washing compounds, other	-	609,225	-	618,137
Wax, floor:				
Paste	lb. 8,469,139	2,898,934	8,201,651	3,012,544
Liquid	gal. 731,775	1,436,850	820,593	1,547,714
Self-polishing	gal. 2,190,580	6,067,575	2,368,284	6,648,033
Wax, sealing
Wax, paraffin, refined
Weed killer	-	2,604,730	-	2,360,757
Welding compounds
Zinc chloride (50% solution)
Zinc naphthenate
Zinc oxide
Zinc stearate
Zinc, white, in oil
All other products	-	60,128,836	-	79,391,153
Products reported by only one or two firms in this group (marked * above)	-	216,768,934	-	253,338,256
Total	-	796,562,234	-	881,503,845

TABLE 11. Imports into Canada and Exports of Chemicals and Allied Products, 1920-1953

(Values in 000's of dollars)

Year	Total Canada	From or to United Kingdom		From or to United States	
		\$	%	\$	%
(a) IMPORTS					
1920	40,010	6,811	17.0	31,330	78.6
1925	27,653	4,300	15.6	18,327	66.3
1930	36,785	4,709	12.8	23,960	65.0
1935	29,757	6,331	21.3	17,458	58.7
1940	51,624	7,546	14.5	41,493	80.1
1945	79,759	4,748	5.9	71,309	89.4
1950	158,221	14,047	8.9	134,603	85.1
1951	191,813	16,188	8.4	165,061	86.1
1952	187,713	12,225	8.5	166,249	88.6
1953	221,834	18,551	8.3	191,812	86.5
(b) EXPORTS					
1920	21,432	4,159	19.5	11,644	54.3
1925	17,450	3,451	19.8	8,937	51.2
1930	16,321	3,332	20.4	9,003	55.2
1935	16,372	3,022	18.5	7,983	48.7
1940	31,223	8,343	26.7	10,846	34.7
1945	111,318	16,437	14.8	51,891	46.6
1950	100,525	5,993	6.0	58,499	58.5
1951	131,690	10,370	7.9	67,253	51.1
1952	124,565	9,712	7.8	75,107	60.3
1953	137,885	8,551	6.2	84,598	61.4

TABLE 12. Fuel and Electricity Used in the Manufacture of Chemicals and Allied Products in Canada, by Industries and by Provinces, 1953

No.		Bituminous coal		Sub-bituminous coal from Alberta mines only	Anthracite coal	Lignite coal	Coke (for fuel only)	Gasoline (including gasoline used in cars and trucks)
		From Canadian mines	Imported					
		tons	tons	tons	tons	tons	tons	Imp. gal.
(a) By industries								
Acids, alkalies and salts:								
1	Quantity	12, 631	323, 404	—	336	—	443	277, 869
2	Cost	142, 493	3, 003, 805	—	5, 632	—	9, 134	94, 707
Fertilizers:								
3	Quantity	15, 045	46, 013	—	108	—	—	229, 880
4	Cost	147, 230	464, 448	—	2, 009	—	—	69, 758
Medicinals and pharmaceuticals:								
5	Quantity	1, 181	11, 891	—	537	714	3	174, 328
6	Cost	16, 037	146, 737	—	7, 869	4, 118	67	72, 557
Paints and varnish:								
7	Quantity	1, 206	5, 846	—	698	123	468	104, 274
8	Cost	15, 818	64, 726	—	10, 950	1, 002	10, 237	41, 649
Primary plastics:								
9	Quantity	—	32, 292	—	—	—	—	31, 112
10	Cost	—	356, 548	—	—	—	—	10, 680
Soaps, washing compounds and cleaning preparations:								
11	Quantity	1, 315	55, 092	121	673	301	—	119, 097
12	Cost	14, 595	528, 941	1, 263	9, 215	1, 976	—	46, 838
Toilet preparations:								
13	Quantity	171	1, 940	—	538	—	—	13, 394
14	Cost	2, 102	24, 108	—	7, 316	—	—	5, 501
Vegetable oils:								
15	Quantity	98	11, 723	—	5, 900	1, 833	—	18, 200
16	Cost	1, 497	111, 254	—	56, 000	11, 307	—	7, 160
Inks:								
17	Quantity	844	367	—	10	—	3	44, 395
18	Cost	10, 131	6, 247	—	247	—	50	19, 336
Adhesives:								
19	Quantity	86	23, 473	—	—	—	406	59, 194
20	Cost	1, 446	239, 077	—	—	—	6, 844	20, 624
Polishes and dressings:								
21	Quantity	—	1, 169	—	107	—	40	5, 983
22	Cost	—	15, 927	—	1, 147	—	945	2, 461
Compressed gases:								
23	Quantity	68	—	—	1, 161	—	—	28, 081
24	Cost	1, 103	—	—	16, 006	—	—	10, 310
Coal tar distillation:								
25	Quantity	4, 877	17, 998	—	—	—	—	52, 665
26	Cost	65, 873	175, 511	—	—	—	—	20, 690
Miscellaneous chemical products:								
27	Quantity	38, 091	516, 803	428	2, 015	455	216	322, 708
28	Cost	472, 308	3, 882, 056	3, 608	26, 609	2, 550	4, 116	95, 461
Total, 1953:								
29	Quantity	75, 613	1, 048, 011	549	12, 083	3, 426	1, 579	1, 481, 180
30	Cost	890, 633	9, 019, 385	4, 871	143, 000	20, 953	31, 393	517, 732
(b) By provinces								
Newfoundland:								
31	Quantity	18	—	—	—	—	19	3, 533
32	Cost	257	—	—	—	—	450	1, 496
Prince Edward Island:								
33	Quantity	—	—	—	—	—	—	12, 070
34	Cost	—	—	—	—	—	—	3, 632
Nova Scotia:								
35	Quantity	2, 542	—	—	124	—	14	12, 339
36	Cost	31, 527	—	—	2, 055	—	309	3, 927
New Brunswick:								
37	Quantity	4	—	—	84	—	—	9, 808
38	Cost	76	—	—	1, 510	—	—	2, 623
Quebec:								
39	Quantity	48, 283	53, 394	—	3, 470	—	352	490, 021
40	Cost	561, 491	649, 121	—	48, 498	—	7, 163	174, 243
Ontario:								
41	Quantity	9, 753	994, 149	—	8, 077	—	1, 054	850, 763
42	Cost	149, 177	8, 362, 094	—	86, 914	—	20, 313	294, 810
Manitoba:								
43	Quantity	964	441	1	219	3, 426	140	14, 611
44	Cost	9, 904	7, 774	23	2, 860	20, 953	3, 158	5, 783

Cost = Laid down value of materials at plant in Canadian dollars.

TABLE 12. Fuel and Electricity Used in the Manufacture of Chemicals and Allied Products in Canada, by Industries and by Provinces, 1953

Kerosene or coal oil	Fuel oil (not including lubricating oil)	Wood (cords of 128 cubic ft. of piled wood)	Gas			Other fuel	Electricity		Total	No.
			Liquefied petroleum gases (propane, etc.)	Other manufactured gas	Natural gas		Purchases	Generated for own use		
Imp. gal.	Imp. gal.	cords	Imp. gal.	(1,000 cu. ft.)	(1,000 cu. ft.)		(k.w.h.)	(k.w.h.)	\$	
147,512	7,266,643	3	1,594	54,672	2,326,619	—	2,185,844,885	275,562,726	—	1
23,399	757,459	33	649	48,981	260,330	157,674	8,759,855	—	13,264,151	2
3,856	487,612	—	10,160	60	17,904	—	223,236,072	855,941,633	—	3
1,017	71,537	—	3,769	54	2,694	136	1,185,968	—	1,948,620	4
6,016	2,616,681	20	1,807	13,000	1,352	—	25,327,750	—	—	5
1,086	276,275	240	950	16,983	1,425	3,921	274,173	—	822,438	6
14,401	2,492,240	92	670	9,236	2,145	—	20,041,011	—	—	7
3,365	295,016	701	425	12,588	2,273	3,525	294,117	—	756,392	8
710	985,432	—	1,960	18,038	250,000	—	77,186,917	—	—	9
182	92,744	—	744	19,306	48,200	72,369	303,681	—	904,454	10
270	1,235,171	13	94,900	1,140	6,162	—	32,640,455	—	—	11
61	160,107	134	19,508	1,235	2,212	80,000	327,930	—	1,194,015	12
—	197,574	—	5,884	3,582	335	—	2,767,754	—	—	13
—	27,896	—	2,836	4,571	402	—	47,218	—	121,950	14
—	705,780	—	—	100	2,400	—	22,515,432	—	—	15
—	66,476	—	—	250	721	38,856	198,699	—	492,220	16
1,105	75,772	1	—	4,075	—	—	2,751,942	—	—	17
266	12,301	9	—	5,575	—	—	53,361	—	107,523	18
—	589,010	17	—	3,876	—	—	5,478,630	1,200,000	—	19
—	67,994	158	—	6,178	—	4,273	56,524	—	403,118	20
—	241,730	—	400	7,524	253	—	1,504,047	—	—	21
—	32,995	—	204	9,084	276	6,926	25,156	—	95,121	22
—	281,301	—	—	2,524	6,093	—	50,643,319	—	—	23
—	35,094	—	—	2,910	3,283	14,666	407,261	—	490,633	24
—	3,413,176	126	—	58,013	—	—	12,242,778	—	—	25
—	329,647	628	—	63,544	—	—	99,029	—	755,122	26
17,061	8,428,611	5,759	102,830	3,539,317	125,140	—	83,277,579	91,382,789	—	27
3,702	905,114	20,567	8,172	1,942,938	24,838	47,120	746,022	—	6,185,181	28
190,931	29,016,733	6,031	220,205	3,715,157	2,738,403	—	2,745,458,571	1,224,087,148	—	29
33,078	3,130,855	22,470	37,257	2,134,197	346,654	429,466	12,778,994	—	29,540,938	30
—	36,269	—	400	—	—	—	359,803	—	—	31
—	5,853	—	325	—	—	—	9,380	—	17,761	32
—	3,335	—	—	—	—	—	105,408	—	—	33
—	573	—	—	—	—	136	2,727	—	7,068	34
11,500	586,162	3	150	—	—	—	2,772,494	360,000	—	35
2,300	63,731	30	65	—	—	—	45,206	—	149,150	36
1,962	275,801	—	—	—	—	—	1,448,017	—	—	37
394	26,743	—	—	—	—	—	28,557	—	59,903	38
19,671	15,413,971	718	25,241	21,612	—	—	1,305,091,348	57,817,371	—	39
4,406	1,549,012	8,491	10,168	21,578	—	198,481	4,860,761	—	8,093,413	40
155,040	11,321,790	5,071	193,684	3,692,051	30,607	—	1,262,330,762	143,868,144	—	41
25,107	1,339,752	12,434	26,386	2,110,829	31,677	223,781	6,772,166	—	19,455,440	42
70	270,886	10	20	—	—	—	4,654,439	—	—	43
19	22,638	126	10	—	—	1,296	67,788	—	142,332	44

TABLE 12. Fuel and Electricity Used in the Manufacture of Chemicals and Allied Products in Canada, by Industries and by Provinces, 1953 - Concluded

No.		Bituminous coal		Sub-bituminous coal from Alberta mines only	Anthracite coal	Lignite coal	Coke (for fuel only)	Gasoline (including gasoline used in cars and trucks)
		From Canadian mines	Imported					
		tons	tons	tons	tons	tons	tons	Imp. gal.
	(b) By provinces - concluded							
1	Saskatchewan:							
2	Quantity	67	—	8	79	—	—	1,803
	Cost	801	—	127	685	—	—	730
3	Alberta:							
4	Quantity	4	3	38	—	—	—	19,124
	Cost	65	60	425	—	—	—	6,923
5	British Columbia:							
6	Quantity	13,978	24	502	30	—	—	67,108
	Cost	137,335	336	4,296	478	—	—	23,565
7	Yukon:							
8	Quantity	—	—	—	—	—	—	—
	Cost	—	—	—	—	—	—	—
9	Total, 1953:							
	Quantity	75,613	1,048,011	549	12,083	3,426	1,579	1,481,180
10	Cost	890,633	9,019,385	4,871	143,000	20,953	31,393	517,732

Cost = Laid down value of materials at plant in Canadian dollars.

TABLE 13. Power Equipment Ordinarily in Use in the Chemicals and Allied Products Group, by Industries and by Provinces, 1953

No.		Steam engines and steam turbines		Diesel engines		Gasoline, gas and oil engines, other than diesel engines		Hydraulic turbines or water-wheels	
		No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.
	(a) By industries								
1	Acids, alkalis and salts	90	38,210	2	211	16	3,645	5	10,000
2	Fertilizers	17	1,980	—	—	20	888	2	60
3	Medicinals and pharmaceuticals	1	10	—	—	—	—	—	—
4	Paints and varnish	1	200	—	—	9	355	—	—
5	Primary plastics	24	4,737	—	—	9	3,579	—	—
6	Soaps, washing compounds and cleaning preparations	7	593	—	—	—	—	—	—
7	Toilet preparations	—	—	—	—	—	—	—	—
8	Vegetable oils	2	25	—	—	—	—	—	—
9	Inks	—	—	—	—	—	—	—	—
10	Adhesives	6	1,205	—	—	—	—	—	—
11	Polishes and dressings	—	—	—	—	—	—	—	—
12	Compressed gases	6	2,280	—	—	—	—	—	—
13	Coal tar distillation	2	36	—	—	—	—	—	—
14	Miscellaneous chemical products	43	26,605	2	670	27	1,420	1	126
15	Total	199	75,881	4	881	81	9,887	8	10,186
	(b) By provinces								
16	Newfoundland	—	—	—	—	—	—	—	—
17	Prince Edward Island	—	—	—	—	—	—	—	—
18	Nova Scotia	2	110	—	—	—	—	—	—
19	New Brunswick	—	—	—	—	—	—	—	—
20	Quebec	63	6,456	3	768	20	1,504	6	10,126
21	Ontario	94	46,293	1	113	32	1,262	2	60
22	Manitoba	3	620	—	—	2	8	—	—
23	Saskatchewan	—	—	—	—	—	—	—	—
24	Alberta	34	20,602	—	—	22	7,044	—	—
25	British Columbia	3	1,800	—	—	5	69	—	—
26	Northwest Territories	—	—	—	—	—	—	—	—
27	Total	199	75,881	4	881	81	9,887	8	10,186

TABLE 12. Fuel and Electricity Used in the Manufacture of Chemicals and Allied Products in Canada, by Industries and by Provinces, 1953 - Concluded

Kerosene or coal oil	Fuel oil (not including lubricating oil)	Wood (cords of 128 cubic ft. of piled wood)	Gas			Other fuel	Electricity		Total	No.
			Liquefied petroleum gases (propane, etc.)	Other manufactured gas	Natural gas		Purchases	Generated for own use		
Imp. gal.	Imp. gal.	cords	Imp. gal.	(1,000 cu. ft.)	(1,000 cu. ft.)		(k.w.h.)	(k.w.h.)	\$	
—	101,327	3	—	—	—	—	1,305,600	—	—	1
—	7,478	43	—	—	—	735	20,217	—	30,816	2
69	300	12	—	571	2,707,866	—	158,343,190	166,100,000	—	3
16	45	96	—	663	314,837	—	840,342	—	1,163,472	4
2,619	1,006,892	214	710	923	130	—	8,847,133	855,941,633	—	5
836	115,030	1,250	303	1,127	140	5,037	126,545	—	416,278	6
—	—	—	—	—	—	—	200,377	—	—	7
—	—	—	—	—	—	—	5,305	—	5,305	8
190,931	29,016,733	6,031	220,205	3,715,157	2,738,403	—	2,745,458,571	1,224,087,148	—	9
33,078	3,130,855	22,470	37,257	2,134,187	340,654	425,400	12,778,994	—	29,340,938	10

TABLE 13. Power Equipment Ordinarily in Use in the Chemicals and Allied Products Group, by Industries and by Provinces, 1953

Electric motors run by purchased power (regenerated or not)		Total power employed		Electric motors run by power generated by prime movers (regenerated or not)		Boilers for power purposes only		Motor-generator sets		No.
No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.	
9,348	124,621	9,461	176,687	3,223	24,326	41	23,113	64	30,023	1
2,487	79,558	2,526	82,486	—	—	3	270	26	241	2
6,873	11,456	6,874	11,466	—	—	8	945	2	77	3
4,266	18,999	4,296	19,554	—	—	4	650	1	15	4
2,205	18,549	2,236	26,865	—	—	4	1,967	27	1,114	5
4,674	17,211	4,681	17,304	—	—	11	3,954	20	3,324	6
1,329	1,490	1,329	1,490	—	—	3	300	3	33	7
1,821	17,112	1,823	17,137	—	—	2	375	—	—	8
731	3,877	731	3,877	—	—	—	—	—	—	9
514	2,301	520	3,506	118	734	8	1,469	—	—	10
773	882	773	882	—	—	4	135	—	—	11
627	14,173	633	16,453	—	—	—	—	8	38	12
271	3,893	273	3,929	—	—	6	905	1	300	13
12,357	58,822	12,430	87,643	2,948	31,910	39	12,771	19	1,533	14
48,296	372,944	48,588	469,779	6,289	56,970	133	46,854	171	36,698	15
72	380	72	380	—	—	—	—	—	—	16
36	202	36	202	—	—	—	—	—	—	17
190	1,821	192	1,931	—	—	4	320	—	—	18
72	982	72	982	—	—	—	—	—	—	19
20,699	124,888	20,791	143,742	1,501	5,085	36	13,691	38	13,913	20
23,417	156,354	23,546	204,082	3,618	44,235	79	24,708	103	22,483	21
647	3,978	652	4,606	—	—	2	85	—	—	22
114	722	114	722	—	—	—	—	—	—	23
844	29,678	900	57,319	1,170	7,650	5	7,100	1	5	24
2,201	53,883	2,209	55,752	—	—	7	950	29	297	25
4	61	4	61	—	—	—	—	—	—	26
48,296	372,944	48,588	469,779	6,289	56,970	133	46,854	171	36,698	27

TABLE 14. Power Equipment in Reserve or Idle in the Chemicals and Allied Products Group, by Industries and by Provinces, 1953

No.		Steam engines and steam turbines		Diesel engines		Gasoline, gas and oil engines, other than diesel engines		Hydraulic turbines or water-wheels	
		No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.
(a) By industries									
1	Acids, alkalies and salts	51	11,285	3	1,263	11	1,211	-	-
2	Fertilizers	1	30	-	-	1	75	2	72
3	Medicinals and pharmaceuticals	5	160	-	-	4	18	-	-
4	Paints and varnish	1	192	1	100	-	-	-	-
5	Primary plastics	11	579	-	-	4	500	-	-
6	Soaps, washing compounds and cleaning preparations	3	50	-	-	-	-	-	-
7	Toilet preparations	-	-	-	-	-	-	-	-
8	Vegetable oils	-	-	-	-	-	-	-	-
9	Inks	-	-	-	-	-	-	-	-
10	Adhesives	1	35	-	-	-	-	-	-
11	Polishes and dressings	-	-	-	-	-	-	-	-
12	Compressed gases	-	-	-	-	-	-	-	-
13	Coal tar distillation	1	30	-	-	-	-	-	-
14	Miscellaneous chemical products	5	1,512	-	-	1	100	-	-
15	Total	79	13,873	4	1,363	21	1,904	2	72
(b) By provinces									
16	Newfoundland	-	-	-	-	-	-	-	-
17	Prince Edward Island	-	-	-	-	-	-	-	-
18	Nova Scotia	1	30	-	-	-	-	-	-
19	New Brunswick	-	-	-	-	-	-	-	-
20	Quebec	32	2,108	1	150	8	348	-	-
21	Ontario	42	3,683	3	1,213	8	356	2	72
22	Manitoba	-	-	-	-	-	-	-	-
23	Saskatchewan	-	-	-	-	-	-	-	-
24	Alberta	4	8,052	-	-	4	1,080	-	-
25	British Columbia	-	-	-	-	1	120	-	-
26	Northwest Territories	-	-	-	-	-	-	-	-
27	Total	79	13,873	4	1,363	21	1,904	2	72

TABLE 14. Power Equipment in Reserve or Idle in the Chemicals and Allied Products Group, by Industries and by Provinces, 1953

Electric motors run by purchased power (regenerated or not)		Total power employed		Electric motors run by power generated by prime movers (regenerated or not)		Boilers for power purposes only		Motor-generator sets		No.
No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.	
1,565	17,452	1,630	31,211	338	1,907	7	4,675	6	124	1
699	9,022	703	9,199	-	-	1	30	1	25	2
306	641	315	819	-	-	8	1,745	2	30	3
184	1,191	186	1,483	-	-	-	-	3	156	4
180	2,105	195	3,184	-	-	-	-	1	3	5
437	1,848	440	1,898	-	-	3	905	1	295	6
68	109	68	109	-	-	2	200	-	-	7
68	1,217	68	1,217	-	-	2	280	-	-	8
14	171	14	171	-	-	-	-	-	-	9
60	204	61	239	6	91	-	-	-	-	10
28	57	26	57	-	-	1	15	2	37	11
6	119	6	119	-	-	-	-	-	-	12
14	76	15	106	-	-	1	350	2	144	13
783	10,004	789	11,616	-	-	11	3,665	-	-	14
4,410	44,216	4,516	61,428	344	1,998	36	11,865	18	814	15
6	17	6	17	-	-	-	-	-	-	16
4	29	4	29	-	-	-	-	-	-	17
12	37	13	67	-	-	1	30	-	-	18
5	30	5	30	-	-	-	-	-	-	19
1,791	20,686	1,832	23,292	151	600	17	5,074	5	97	20
1,895	13,979	1,950	19,303	63	548	15	4,831	12	692	21
23	83	23	83	-	-	1	50	-	-	22
5	20	5	20	-	-	-	-	-	-	23
26	1,413	34	10,545	130	850	1	1,800	-	-	24
641	7,912	642	8,032	-	-	1	80	1	25	25
2	10	2	10	-	-	-	-	-	-	26
4,410	44,216	4,516	61,428	344	1,998	36	11,865	18	814	27

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