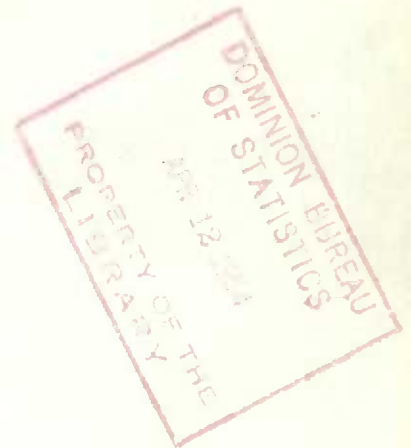


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CANADA



# THE MISCELLANEOUS CHEMICAL PRODUCTS INDUSTRY, 1952

*Published by Authority of*  
The Right Honourable C. D. Howe, Minister of Trade and Commerce

**DOMINION BUREAU OF STATISTICS**  
Industry and Merchandising Division  
Mining, Metallurgical and Chemical Section

6502-637  
19-1-54

Price 25 cents

Vol. 2—Part XVI—P-1

112-111

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 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, by Provinces
  - Section 1. Principal Statistics of Major Industrial Groups and Leading Industries, 50¢
  - Section 2. Principal Statistics of Individual Industries, 75¢
  - Section 3. Principal Statistics by 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¢

# THE MISCELLANEOUS CHEMICAL PRODUCTS INDUSTRY

## 1952

This industry covers the operations of a considerable number of concerns which make chemical products, but which, because of the diversified nature of their output, cannot be classified to any of the other main chemical groups. Products made in 1952 included charcoal and wood alcohol, boiler compounds, sweeping compounds, matches, insecticides, disinfectants, dry colours, pigments, embalming fluid, explosives, ammunition, fireworks, anti-freeze and other automotive chemicals, etc. The manufacture of synthetic rubber also is included in this industry.

Of the 239 firms reporting in this industry in 1952, 126 were located in Ontario, 68 in Quebec,

19 in British Columbia, 10 in Alberta, 9 in Manitoba, 4 in Saskatchewan and 3 in Nova Scotia. These firms afforded employment to a total of 11,397 people who were paid \$33,694,741 in salaries and wages. They spent \$5,924,334 for fuel and electricity and \$64,886,257 for materials for use in manufacturing processes. The total value of factory shipments reported by these firms amounted to \$143,546,514. The total production in Canada of certain miscellaneous chemical products, regardless of industrial grouping, is shown in Tables 5-13, while the results of special surveys on sales of pest control products by Canadian registrants and producers' sales of anti-freeze preparations are shown in Tables 14 and 16.

Note. Data presented in this bulletin for 1952 under the heading of "Production" actually represent "Factory Shipments" and therefore, are not exactly comparable with previous years.

**TABLE 1. Principal Statistics of the Miscellaneous Chemical Products Industry, 1948-1952**

Year	Number of plants	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
1948.....	202	6,642	14,233,637	3,507,902	44,058,478	81,082,411
1949.....	208	7,145	17,175,387	5,436,456	44,065,072	87,432,997
1950.....	208	7,024	18,059,979	6,069,812	48,980,837	100,208,546
1951.....	219	9,737	26,971,513	6,952,561	61,653,707	131,543,294
1952.....	239	11,397	33,694,741	5,924,334	64,886,257	143,546,514

Note. Profits or losses cannot be calculated from the above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

**TABLE 2. Principal Statistics by Provinces, 1951 and 1952**

Province	Number of plants	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
1951						
Nova Scotia.....	3	13	31,043	4,031	59,190	149,928
Quebec.....	66	5,065	12,754,856	1,144,963	19,376,107	41,874,011
Ontario.....	113	4,183	12,930,316	5,715,701	37,170,007	80,812,426
Manitoba.....	8	106	253,907	10,668	1,190,230	2,145,915
Saskatchewan.....	4	20	49,325	2,644	282,456	445,508
Alberta.....	7	35	73,448	2,483	306,804	613,055
British Columbia.....	18	315	878,618	72,071	3,268,913	5,502,451
<b>Canada.....</b>	<b>219</b>	<b>9,737</b>	<b>26,971,513</b>	<b>6,952,561</b>	<b>61,653,707</b>	<b>131,543,294</b>
1952						
Nova Scotia.....	3	10	27,008	4,473	40,277	130,254
Quebec.....	68	6,350	17,142,845	1,449,636	20,699,642	45,284,471
Ontario.....	126	4,448	14,779,877	4,335,159	38,045,261	86,642,675
Manitoba.....	9	95	251,621	9,629	1,110,191	1,843,608
Saskatchewan.....	4	20	51,912	2,843	247,722	444,745
Alberta.....	10	141	425,288	36,097	1,114,222	2,285,777
British Columbia.....	19	333	1,015,190	86,497	3,628,942	6,914,984
<b>Canada.....</b>	<b>239</b>	<b>11,397</b>	<b>33,694,741</b>	<b>5,924,334</b>	<b>64,886,257</b>	<b>143,546,514</b>

TABLE 3. Products Made in the Miscellaneous Chemical Products Industry, 1951 and 1952

Product	Unit of measure	1951		1952	
		Quantity	Selling value at works	Quantity	Selling value at works
			\$		\$
Automobile chemicals:					
Brake fluid .....	Imp. gal.	237,862	793,433	259,368	828,090
Radiator compounds .....	—	—	181,598	—	195,561
Other .....	—	—	4,487,743	—	6,757,829
Boiler chemicals:					
For use by railroads .....	—	—	970,193	—	1,060,326
For marine use .....	—	—	55,734	—	76,007
For industrial use .....	—	—	1,316,384	—	1,504,785
Charcoal .....	ton	7,918	457,378	8,570	554,574
Cleaning preparations:					
Drain pipe and toilet cleaners .....	lb.	1,119,838	184,043	923,127	156,493
Hand cleaners .....	"	1,553,824	116,652	799,589	77,964
Scouring pastes and powders .....	"	186,566	23,915	266,677	43,582
Washing compounds .....	—	—	94,292	—	211,430
Other—Household .....	—	—	278,610	—	263,936
Industrial .....	—	—	459,445	—	655,060
Disinfectants and deodorants .....	—	—	578,264	—	540,310
Embalming fluid .....	—	—	258,371	—	230,554
Floor wax—liquid and paste .....	—	—	354,527	—	486,907
Food colours—butter, cheese, other .....	—	—	55,420	—	109,796
Insecticides:					
Lime-sulphur solution .....	Imp. gal.	359,233	83,743	392,752	97,865
Rat and mouse poison .....	lb.	139,972	131,516	227,161	190,056
Gopher poison .....	"	67,977	35,601	36,282	26,425
Other insecticides, including calcium arsenate, lead arsenate, etc. ....	—	—	3,520,869	—	3,232,488
Matches:					
In books .....	No. of books	317,230,182	1,238,702	398,697,857	1,471,030
Other—Cases of 144 boxes .....	No. of cases	451,698	2,047,603	413,510	2,288,858
Cases of 720 boxes .....	" " "	224,077	944,359	214,697	1,017,008
Methyl hydrate, refined .....	Imp. gal.	105,630	53,301	55,443	27,203
Oils, sulphonated:					
Castor .....	lb.	1,081,395	257,283	995,481	238,641
Cocoanut .....	"	99,474	24,819	113,858	26,197
Cod .....	"	808,124	125,238	924,609	137,595
Neat's foot .....	"	319,977	76,228	298,117	64,981
Other, including special blends .....	"	3,805,658	737,932	3,268,898	551,928
Oils, except sulphonated .....	—	—	3,088,903	—	2,224,675
Rust preventatives .....	—	—	713,590	—	649,859
Soaps:					
Liquid .....	lb.	3,184,477	337,289	4,371,009	387,486
Soft .....	"	807,978	124,475	553,278	108,081
Textile .....	"	457,263	76,943	555,850	101,186
Sweeping compounds .....	—	—	555,012	—	598,112
Synthetic rubber .....	lb.	139,578,244	34,647,665	165,694,185	38,470,052
Textile and leather finishes .....	—	—	2,529,782	—	2,406,509
Weed killer .....	—	—	2,851,928	—	2,339,818
Welding compounds and fluxes .....	—	—	25,343	—	24,364
Dry colours and pigments, including red lead, litharge, dry white lead, iron oxides, etc. ....	—	—	7,314,842	—	4,916,270
All other products, including explosives ..	—	—	59,334,326	—	68,196,623
<b>Total .....</b>	<b>—</b>	<b>—</b>	<b>131,543,294</b>	<b>—</b>	<b>143,546,514</b>



TABLE 4. Materials Used in the Miscellaneous Chemical Products Industry, 1951 and 1952

Material	Unit of measure	1951		1952	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Acetic acid (99½%) .....	lb.	1,065,026	110,259	730,335	85,738
Acetone .....	"	560,042	49,384	486,967	47,425
Alcohol, butyl (including isobutanol) .....	"	1,293,741	177,112	575,649	87,045
Alcohol, ethyl.....	Imp. gal.	62,097	65,691	173,555	162,075
Alcohol, isopropyl .....	lb.	1,004,876	92,960	468,236	61,640
Alcohol, methyl .....	Imp. gal.	70,784	53,350	7,844	9,137
Aluminum rod and strip .....	lb.	56,943	21,788	30,147	12,965
Aluminum, powdered and atomized .....	"	739,865	199,064	662,961	177,471
Aluminum sulphate.....	"	761,818	17,545	890,785	18,629
Ammonium chloride .....	"	162,918	13,284	144,978	12,443
Ammonium nitrate.....	"	15,676,504	490,411	15,244,699	480,320
Ammonia, anhydrous .....	"	15,948,054	700,053	22,298,413	1,005,640
Arsenic, white (As <sub>2</sub> O <sub>3</sub> ) .....	"	41,308	3,562	114,314	8,624
Arsenic acid (As <sub>3</sub> O <sub>5</sub> ) .....	"	963,451	83,622	966,870	49,038
Barium nitrate.....	"	175,744	26,505	111,065	13,338
Benzoyl chloride .....	"	151,940	33,449	130,900	28,632
Brass strip .....	"	1,821,350	619,252	1,244,271	450,826
Butyl cellulosolve.....	"	78,990	21,014	65,860	18,938
Calcium arsenate .....	"	381,773	39,197	274,595	28,660
Calcium carbonate (chalk and whiting) .....	"	2,180,474	21,365	2,404,825	24,204
Calcium chloride .....	"	2,831,457	56,360	2,872,327	61,058
Carbon tetrachloride .....	"	185,574	23,387	258,934	36,569
Charcoal .....	"	82,529	3,146	60,677	2,607
Copper sulphate .....	"	404,087	79,614	360,256	82,057
Corn starch .....	"	2,209,930	188,916	2,130,375	188,561
DDT .....	"	936,856	343,075	963,377	330,969
Ethylene glycol .....	"	21,135,556	4,139,413	31,740,214	5,723,644
Flour, wheat.....	"	287,249	11,036	324,327	12,192
Formaldehyde, 40% .....	"	701,853	53,440	1,032,808	53,922
Glue .....	"	725,395	225,275	846,335	244,787
Glycerine.....	"	4,641,371	2,559,414	4,462,223	1,539,649
Grease .....	"	4,795,771	640,821	5,170,513	305,063
Gums and natural resins .....	"	350,297	66,978	497,915	75,561
Gunpowder.....	"	816,719	391,360	774,146	333,980
Hydrochloric acid.....	"	208,052	7,613	377,773	15,240
Lead, pig.....	"	18,865,856	3,626,857	10,648,422	1,690,926
Lead arsenate.....	"	80,129	15,428	59,627	10,671
Lime.....	ton	1,312	24,846	1,036	18,390
Liquid chlorine.....	lb.	87,435	5,871	98,006	6,820
Litharge.....	"	1,937,515	377,530	1,434,354	291,255
Magnesium carbonate.....	"	80,350	10,161	1	1
Methyl chloride.....	"	3,720,350	480,567	3,579,400	439,221
Nitric acid.....	"	10,218,952	462,851	11,059,535	459,368
Nitrocotton .....	"	539,823	254,373	1,364,557	525,358
Oils:					
Animal and fish, n.e.s. ....	"	2,761,106	446,137	1,406,776	159,916
Castor .....	"	2,717,766	776,750	2,108,243	545,677
Cocoanut .....	"	464,873	99,794	438,044	70,171

1. Not available separately.

TABLE 4. Materials Used in the Miscellaneous Chemical Products Industry, 1951 and 1952 - Continued

Material	Unit of measure	1951		1952	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Oils - concluded:					
Cod .....	lb.	750,908	109,366	818,469	107,331
Essential .....	—	—	40,246	—	27,179
Lard .....	lb.	101,368	19,876	110,356	16,131
Neat's foot .....	"	310,904	88,271	310,292	45,863
Linseed, raw .....	Imp. gal.	257,827	536,912	196,971	306,115
Linseed, boiled or processed .....	"	23,324	53,656	81,419	152,271
Mineral .....	"	873,620	286,364	705,307	223,872
Sperm .....	lb.	323,958	63,118	538,931	72,718
Tall .....	"	1,913,197	101,122	1,568,641	69,934
Other .....	—	—	645,682	—	805,099
Oleic acid .....	lb.	415,328	84,689	509,373	68,258
Paradichlorobenzene .....	"	263,514	52,357	228,363	35,950
Phosphoric acid .....	"	992,330	70,264	917,409	66,316
Phosphorus, amorphous .....	"	11,619	4,929	19,806	8,600
Phosphorus sesquisulphide .....	"	88,153	32,562	67,575	26,016
Potassium bichromate .....	"	186,418	28,617	170,816	24,895
Potassium chlorate .....	"	1,126,404	120,320	1,068,868	121,165
Potassium hydroxide .....	"	400,419	30,004	417,139	30,898
Potassium nitrate .....	"	434,810	39,462	746,380	67,756
Potassium perchlorate .....	"	119,135	27,846	105,934	19,982
Pyrethrum:					
Powder .....	lb.	5,710	1,807	2,554	913
Extract .....	"	22,154	21,399	38,609	59,413
Rosin gums .....	—	—	907,436	—	946,471
Salt (sodium chloride) .....	lb.	13,667,829	22,817	18,210,147	30,569
Scrap iron .....	ton	4,901	161,560	4,529	162,930
Silica sand .....	"	580	21,073	751	17,763
Soap .....	lb.	4,103,653	664,919	4,251,222	424,817
Sodium bicarbonate .....	"	525,166	15,472	581,676	17,167
Sodium bichromate .....	"	861,624	118,556	683,037	93,262
Sodium carbonate .....	"	12,413,180	275,150	12,355,549	289,430
Sodium chlorate .....	"	5,624,266	471,322	6,538,309	553,847
Sodium fluoride .....	"	411,449	45,646	328,396	38,006
Sodium hydroxide (caustic soda) .....	"	5,431,778	212,168	5,219,792	200,019
Sodium nitrate .....	"	33,881,789	1,034,649	35,377,842	1,083,658
Sodium phosphate:					
Monosodium phosphate .....	lb.	491,069	59,199	522,786	60,676
Disodium phosphate .....	"	1,792,123	146,308	1,744,878	144,171
Trisodium phosphate .....	"	1,147,029	71,221	1,355,517	83,060
Tetra sodium phosphate .....	"	22,854	3,290	76,617	7,365
Sodium tripolyphosphate .....	"	551,386	58,306	660,151	67,433
Tetra sodium pyrophosphate .....	"	749,104	77,510	722,436	72,433
Sodium silicate .....	lb.	724,834	30,946	924,181	40,373
Solvents (benzol, naphtha, gasoline, etc.) ..	"	6,231,355	313,064	8,693,616	347,848
Shot and bullets .....	—	—	639,278	—	526,018
Stearic acid .....	lb.	590,366	121,533	580,428	80,970
Strontium nitrate .....	"	751,856	89,694	636,613	72,829
Strychnine .....	"	1,786	24,996	1,439	23,262
Sulphur .....	ton	6,711	247,629	6,120	244,076
Sulphuric acid, 100% .....	lb.	68,405,247	936,752	66,906,812	1,029,835
Synthetic resins .....	—	—	526,686	—	398,241
Talc .....	ton	6,419	123,918	7,638	154,706

TABLE 4. Materials Used in the Miscellaneous Chemical Products Industry, 1951 and 1952 - Concluded

Material	Unit of measure	1951		1952	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Wax:					
Beeswax.....	lb.	4,759	2,893	4,564	2,588
Candelilla.....	"	1,833	1,524	3,280	2,873
Carnauba.....	"	32,054	35,337	50,698	52,088
Paraffin, including slack wax.....	"	33,507,291	1,649,183	30,670,866	1,061,302
Other.....	"	1,629,371	207,016	1,900,057	243,053
Zinc oxide.....	"	337,392	63,568	332,719	61,457
2, 4-D.....	"	1,223,069	574,335	1,148,828	679,875
Miscellaneous materials:					
Hardwood (for charcoal).....	cord	22,405	229,228	20,415	255,718
Lumber.....	M bd. ft.	978	135,112	385	79,036
Paperboard.....	lb.	9,009,777	653,070	8,314,453	705,644
Wood - flour, pulp and sawdust.....	-	-	104,607	-	217,773
Wood blocks.....	M bd. ft.	3,629	676,847	3,460	737,911
Wood splints.....	-	-	365,136	-	169,412
Yarns, jute and cotton, and cotton linters.....	-	-	755,179	-	692,606
All other materials.....	-	-	23,510,971	-	29,717,459
Containers, boxes, etc.....	-	-	4,599,854	-	4,633,132
<b>Total</b> .....	-	-	<b>61,653,707</b>	-	<b>64,886,257</b>

TABLE 5. Production of Refined Methyl Alcohol, 1948-1952

Year	Quantity	Selling value at works
	Imp. gal.	\$
1948.....	215,000	259,000
1949.....	158,000	140,000
1950.....	126,000	90,000
1951.....	136,000	67,000
1952.....	66,000	31,000

TABLE 6. Production of Boiler Compounds, 1948-1952

Year	For use by railroads	For marine use	For industrial use	Total
	Selling value at works	Selling value at works	Selling value at works	Selling value at works
	\$	\$	\$	\$
1948.....	943,000	44,000	816,000	1,803,000
1949.....	967,000	59,000	896,000	1,922,000
1950.....	996,000	73,000	1,058,000	2,127,000
1951.....	970,000	56,000	1,398,000	2,424,000
1952.....	1,060,000	76,000	1,600,000	2,736,000



## CHEMICALS AND ALLIED PRODUCTS

TABLE 7. Production of Charcoal, 1948-1952

Year	Quantity	Selling value at works
	Tons	\$
1948 .....	19,678	800,578
1949 .....	17,675	718,433
1950 .....	15,989	698,849
1951 .....	15,083	772,830
1952 .....	16,635	858,190

TABLE 8. Production of Disinfectants and Deodorants, 1948-1952

Year	Selling value at works
	\$
1948 .....	944,000
1949 .....	1,030,000
1950 .....	1,088,000
1951 .....	1,454,000
1952 .....	1,516,000

TABLE 9. Production of Insecticides and Poisons of All Kinds<sup>1</sup>, 1948-1952

Year	Selling value at works
	\$
1948 .....	3,087,000
1949 .....	5,046,000
1950 .....	5,501,000
1951 .....	5,362,000
1952 .....	4,796,000

1. Calcium arsenate, lead arsenate, lime-sulphur solution, Paris green, sodium arsenate, sodium arsenite and special poisons, sprays, powders, etc., usually classed as pest control products are included in this category; weedicides, shown separately in Table 13, are not included.

TABLE 10. Production of Matches, 1948-1952

Year	In books		Cases of 144 boxes		Cases of 720 boxes	
	Quantity	Selling value at works	Quantity	Selling value at works	Quantity	Selling value at works
	No.	\$	No.	\$	No.	\$
1948 .....	272,658,000	821,000	448,000	2,340,000	225,000	1,000,000
1949 .....	372,847,000	1,238,000	432,000	1,902,000	245,000	939,000
1950 .....	318,587,000	943,000	451,000	1,867,000	220,000	845,000
1951 .....	317,230,000	1,239,000	452,000	2,048,000	224,000	944,000
1952 .....	398,698,000	1,471,000	414,000	2,289,000	215,000	1,017,000



TABLE 11. Production of Synthetic Rubber, 1948-1952

Year	Quantity	Selling value at works
	pounds	\$
1948 .....	90,094,000	16,885,000
1949 .....	104,334,000	18,639,000
1950 .....	135,521,000	25,413,000
1951 .....	139,578,000	34,648,000
1952 .....	165,694,000	38,470,000

TABLE 12. Production of Sweeping Compounds, 1948-1952

Year	Selling value at works
	\$
1948 .....	310,000
1949 .....	345,000
1950 .....	460,000
1951 .....	569,000
1952 .....	600,000

TABLE 13. Production of Weedicides (weed killer), 1948-1952

Year	Selling value at works
	\$
1948 .....	1,305,000
1949 .....	1,428,000
1950 .....	2,161,000
1951 .....	3,185,000
1952 .....	2,607,000

TABLE 14. Sales of Pest Control Products by Canadian Registrants, 1951 and 1952

Commodity	Unit of measure	1951		1952	
		Quantity	Value	Quantity	Value
			\$		\$
(A) Agriculture					
Adjuvants:					
Soaps, blood albumen, casein, oil spreaders, etc. ....	-	-	5,480	-	5,103
Crop and seed treatment:					
Agricultural dusts and sprays:					
For use on field, garden, greenhouse and orchard crops; on seeds; but not preparations for use on livestock, and not weedicides:					
Arsenicals:					
Arsenate of lead .....	lb.	1,333,657	382,543	920,138	271,831
Calcium arsenate .....	"	596,480	63,895	469,665	51,600
2% arsenic dusts (without copper) .....	"	5,945,220	216,575	4,354,990	176,262
Paris green .....	"	123,396	53,264	68,996	32,930

See footnotes at end of Table.

TABLE 14. Sales of Pest Control Products by Canadian Registrants, 1951 and 1952 - Continued

Commodity	Unit of measure	1951		1952	
		Quantity	Value \$	Quantity	Value \$
(A) Agriculture - continued					
Crop and seed treatment - continued:					
Agricultural dusts and sprays - continued:					
Fluorides:					
Cryolite .....	lb.	4,050	408	2,440	242
Sodium fluosilicate .....	-	-	-	-	-
Botanicals:					
Rotenone dusts (containing not more than 1% rotenone) .....	lb.	378,824	87,579	514,803	124,913
Ryania dusts .....	-	-	1	-	1
Other botanicals .....	-	-	12,320	-	18,287
Synthetic organics:					
Aldrin: Dusts .....	lb. (of aldrin)	14,010	16,518	142	242
Emulsions and wettable powders <sup>2</sup> .....	lb. (of aldrin)	36,417	90,828	9,323	29,820
B.H.C.: 6% gamma and under .....	lb.	265,909	34,573	67,330	14,554
Over 6% gamma (except B.H.C., as lindane) .....	lb.	600	202	3,280	1,359
B.H.C. (as lindane) Emulsions .....	Imp. gal.	-	126,722	1,799	14,381
Wettable powders .....	lb.	-	-	40,964	156,454
Chlordane: Dusts .....	lb.	48,621	5,516	68,786	9,490
Emulsions .....	Imp. gal.	2,892	22,903	1,591	16,483
Wettable powders .....	lb.	4,854	3,088	2,344	1,647
Dinitro compounds (phenol and cresol) .....	lb.	44,387	28,654	114,841	27,529
DDT: Dusts .....	lb.	1,942,084	184,664	2,028,403	169,956
25% emulsifiable solutions .....	Imp. gal.	34,542	152,627	41,739	144,704
50% wettable powders .....	lb.	1,244,378	465,210	1,052,585	387,975
Methoxychlor .....	-	-	3	-	3
Parathion: 15% wettable powders .....	lb.	262,825	164,013	198,183	117,157
All other forms .....	-	-	8,085	-	9,329
T.E.P.P. and H.E.T.P. (all forms) .....	-	-	19,970	-	18,135
T.D.E. or D.D.D. .....	lb. (T.D.E.)	-	-	16,843	10,847
Toxaphene emulsions .....	-	-	3	-	3
Soil fumigants .....	lb.	24,614	7,646	14,981	3,777
Other synthetic organics .....	-	-	73,589	-	65,741
Copper compounds (with and without an insecticide):					
Copper sulphate .....	lb.	4,614,442	488,788	3,727,650	449,331
Copper lime dusts .....	lb.	126,925	12,261	117,600	12,809
Fixed copper spray materials .....	lb.	739,598	175,688	734,086	165,841
Fixed copper spray materials with DDT .....	lb.	123,490	42,709	666,801	95,950
Fixed copper dusts with DDT or arsenic, or both .....	lb.	1,855,826	218,870	2,153,673	245,646
Copper compounds with other insecticides .....	lb.	620,115	56,977	49,166	6,356
Dry Bordeaux mixture .....	lb.	60,338	12,030	143,395	33,435
Other copper compounds .....	-	-	4,433	-	16,460
Other than copper fungicides:					
Dry lime-sulphur .....	lb.	35,909	11,114	22,116	9,517
Liquid lime-sulphur .....	Imp. gal.	258,542	53,985	427,213	112,161
Dusting sulphurs: Without insecticide .....	lb.	227,663	15,603	61,254	3,342
With insecticide .....	lb.	-	-	10,710	953
Wettable sulphurs: Without insecticide .....	lb.	2,778,241	250,959	2,205,894	190,313
With insecticide .....	lb.	-	-	315,531	45,465
Dithiocarbamates:					
Without an insecticide .....	lb.	262,770	99,647	1,013,153	256,877
With an insecticide .....	lb.	387,450	45,917	768,108	95,964
Mercurial fungicides (except seed treatments) .....	lb.	-	9	4,311	6,937
Other fungicides (not seed treatments) .....	lb.	88,804	58,808	892,157	163,008
Seed treatments:					
Organic mercurials .....	lb.	572,746	322,381	990,094	682,063
Copper compounds .....	-	-	4	-	9
Formaldehyde .....	-	-	4	-	9
Hexachlorobenzene .....	-	-	4	155,630	92,702
Thiocarbamates .....	-	-	4	-	4
Other seed treatments .....	-	-	212,691	-	419,108
Nicotine:					
Nicotine sulphate .....	lb.	70,168	87,052	80,252	100,363
Other nicotine preparations .....	lb.	38,207	16,817	29,794	15,526

See footnotes at end of Table.

TABLE 14. Sales of Pest Control Products by Canadian Registrants, 1951 and 1952 - Continued

Commodity	Unit of measure	1951		1952	
		Quantity	Value	Quantity	Value
			\$		\$
<b>(A) Agriculture - concluded</b>					
Crop and seed treatment - concluded:					
Agricultural dust and sprays - concluded:					
Miscellaneous:					
Zinc compounds, including zinc "safeners," e.g., zinc sulphate	lb.	137,096	23,674	46,510	5,581
Vine killers (potato top killers)	lb.	23,230	4,472	35,580	4,613
Mineral oils for dormant or foliage spraying	Imp. gal.	112,205	34,083	151,148	57,364
Other agricultural dusts and sprays, but excluding hydrated lime	-	-	47,631	-	35,532
<b>Total dusts and sprays</b>	-	-	<b>4,501,424</b>	-	<b>5,203,965</b>
Livestock treatments (including poultry):					
Wormers:					
Coccidiosis treatments:					
Medicated feeds	ton	1,796	214,792	3,365	424,442
Other	lb.	163,770	230,724	49,130	88,252
Phenothiazene	lb.	59,931	93,169	30,544	62,229
Other wormers	-	-	137,350	-	99,373
Other livestock treatments:					
Blackhead treatments	-	-	9	-	27,638
Animal insect powders (except next item)	lb.	273,631	60,544	185,820	56,770
Warble powders and washes	lb.	113,746	49,264	128,272	64,786
Barn sprays for residual effects	Imp. gal.	49,964	105,070	57,495	138,268
Livestock sprays	Imp. gal.	119,412	169,503	105,189	195,035
Other livestock treatments	-	-	121,869	-	100,591
<b>Total livestock treatments</b>	-	-	<b>1,182,285</b>	-	<b>1,257,384</b>
Weedicides:					
Mineral oils	-	-	5	-	5
Liquid non-selective weedicides (mixtures of 2, 4-D; 2, 4, 5-T; oil, etc., but excluding chlorate solutions)	Imp. gal.	27,787	188,100	61,657	418,287
Dry non-selective weedicides (e.g., borax, chlorates, etc.)	-	-	5	-	5
Selective weedicides (not 2, 4-D)	-	-	5	-	21,526
2,4-D formulations <sup>3</sup> :					
Dusts	lb. (of acid)	289,331	715,505	361,478	532,775
Solutions - Amine	lb. (of acid)	317,196	391,912	309,335	355,749
Ester	lb. (of acid)	3,075,393	3,874,346	2,570,940	3,130,188
Sodium salt	lb. (of acid)	3,060	11,438	1,815	5,551
Other weedicides	-	-	1,744,859	-	1,782,737
<b>Total weedicides</b>	-	-	<b>6,926,160</b>	-	<b>6,246,819</b>
<b>(B) Household and Industrial Insecticides</b>					
Fumigants (excluding soil fumigants):					
Carbon tetrachloride	Imp. gal.	1,218	2,669	1,085	4,042
Ethylene dichloride	-	-	7	-	7
Naphthalene	lb.	623,534	123,986	1,437,166	258,877
Paradichlorobenzene	lb.	2,459,096	1,048,202	1,824,792	742,381
Other fumigants	-	-	116,224	-	152,558
Powders and dusts:					
10% DDT insect powders	lb.	18,644	8,990	12,618	6,242
10% DDT insect powders with pyrethrum	lb.	14,340	11,507	25,686	15,570
Insect powders (without DDT)	lb.	-	9	6,791	4,451
Lindane (for vaporizers)	lb.	-	9	2,580	25,367
Sodium fluoride powders	lb.	33,904	21,830	-	9
Pyrethrum powders	lb.	8,244	3,537	-	9
Thiocyanate powders	lb.	223	510	-	9
Chlordane insect powders	lb.	4,185	1,348	-	8
Other powders and dusts	-	-	16,822	-	23,895
Sprays and aerosol bombs:					
Space or air sprays without DDT	Imp. gal.	19,187	67,138	18,099	63,849
Space or air sprays with DDT	Imp. gal.	55,581	165,836	47,638	174,320
Residual sprays with 5% DDT	Imp. gal.	99,903	184,765	74,716	190,526
Residual sprays with other than DDT	Imp. gal.	48,556	152,455	49,512	161,294
Mill and warehouse sprays, e.g., of pyrethrum type, etc.	Imp. gal.	15,110	65,928	9,949	53,230
Self-propelled insecticides	number	452,912	398,699	882,908	784,593

See footnotes at end of Table.



TABLE 14. Sales of Pest Control Products by Canadian Registrants, 1951 and 1952 - Concluded

Commodity	Unit of measure	1951		1952	
		Quantity	Value	Quantity	Value
(B) Household and Industrial Insecticides - concluded			\$		\$
Mosquito and fly repellents:					
Citronella type .....	-	-	1,644	-	968
Dimethyl phthalate, indalone, ethyl hexandiol, dimethyl carbate, etc. ....	-	-	78,618	-	184,300
Other household and industrial insecticides .....	-	-	401,358	-	186,670
<b>Total insecticides</b> .....	-	-	<b>2,872,066</b>	-	<b>3,033,133</b>
(C) Rodenticides					
Mouse and rat poisons:					
Warfarin type - 0.5% .....	-	}	162,406	-	288,104
0.025% .....	-				
Other mouse and rat poisons .....	lb.	-	119,710	113,494	129,044
Gopher poisons .....	lb.	-	30,552	47,838	40,279
Other rodenticides (mole killers, etc.) .....	-	-	6,399	-	1,319
<b>Total rodenticides</b> .....	-	-	<b>319,067</b>	-	<b>458,746</b>
<b>Grand total</b> .....	-	-	<b>15,801,002</b>	-	<b>16,200,047</b>

1. Included with "other botanicals."

2. The aldrin under this heading has reference to a 60% grade which was used in formulating the bulk of the total reported.

3. Included with "other synthetic organics."

4. Included with "other seed treatments."

5. Included with "other weedicides."

6. Firms reporting 2,4-D were asked to record their sales on a basis of acid equivalent, i.e.: (a) 10,000 gallons of a 64 oz. ester were to be recorded as 40,000 lb.; (b) 100,000 lb. of a 2,4-D dust (5%) were to be recorded as 5,000 lb.; (c) 5,000 gallons of an 80 oz. amine were to be recorded as 25,000 lb.

7. Included with "other fumigants."

8. Included with "other powders and dusts."

9. Not classified separately.

Note: About 407 out of a total of 449 registrants furnished reports to the 1952 survey, and it is estimated that this group accounted for at least 95 per cent of the total sales of pest control products in Canada. In order to avoid duplication, a special procedure was followed whereby only the sales of pest control products actually registered with the Department of Agriculture under the registrants' own numbers were reported. At the same time, sales of these products in bulk, for re-packaging or reprocessing, were completely omitted, as such were eventually reported by the purchasing registrant.

TABLE 15. Employees and Their Earnings, by Provinces, 1951 and 1952

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
<b>1951</b>						\$	\$	\$
Quebec .....	959	384	2,692	1,030	5,065	4,510,830	8,244,026	12,754,856
Ontario .....	1,008	446	2,494	235	4,183	5,348,629	7,581,687	12,930,316
Manitoba .....	36	11	58	1	106	130,836	123,071	253,907
Saskatchewan .....	7	2	7	4	20	28,547	20,778	49,325
Alberta .....	17	6	12	-	35	45,719	27,729	73,448
British Columbia .....	64	9	221	21	315	233,276	645,342	878,618
Other provinces .....	6	-	7	-	13	19,520	11,523	31,043
<b>Canada</b> .....	<b>2,097</b>	<b>858</b>	<b>5,491</b>	<b>1,291</b>	<b>9,737</b>	<b>10,317,357</b>	<b>16,654,156</b>	<b>26,971,513</b>
<b>1952</b>								
Quebec .....	1,226	442	3,449	1,233	6,350	5,678,509	11,464,336	17,142,845
Ontario .....	1,068	485	2,666	229	4,448	5,757,977	9,021,900	14,779,877
Manitoba .....	33	9	52	1	95	142,412	109,209	251,621
Saskatchewan .....	7	2	7	4	20	30,660	21,252	51,912
Alberta .....	42	8	91	-	141	153,259	272,029	425,288
British Columbia .....	74	15	228	16	333	305,974	710,216	1,016,190
Other provinces .....	4	-	6	-	10	16,479	10,529	27,008
<b>Canada</b> .....	<b>2,454</b>	<b>961</b>	<b>6,499</b>	<b>1,483</b>	<b>11,397</b>	<b>12,085,270</b>	<b>21,609,471</b>	<b>33,694,741</b>

TABLE 16. Producers' Sales of Anti-freeze Preparations, 1948-1952

Year	Alcohol-type		Glycol-type		Total	
	Quantity	Selling value at works	Quantity	Selling value at works	Quantity	Selling value at works
	Imp. gal.	\$	Imp. gal.	\$	Imp. gal.	\$
1948 .....	2,479,420	3,056,860	1,987,501	4,895,118	4,466,921	7,951,978
1949 .....	1,491,495	1,696,826	3,894,232	11,186,937	5,385,727	12,883,763
1950 .....	1,045,574	1,057,050	3,656,213	9,787,639	4,701,787	10,844,689
1951 .....	932,266	1,298,890	3,639,140	10,760,721	4,571,406	12,059,611
1952 .....	768,906	1,060,770	4,975,635	14,338,967	5,744,541	15,399,737

## Directory of Firms Included in the Miscellaneous Chemical Products Industry, 1952

Name of firm	Location of plant
<b>Nova Scotia:</b>	
Marden-Wild of Canada Ltd. ....	Halifax
Nu-Day Cleaning Products .....	457 Kempt Rd., Halifax
Nu-Mac Manufacturing Company Limited .....	44 Jubilee Rd., Bridgewater
<b>Quebec:</b>	
Adams Chemical Company Limited .....	4905 Dagenais St., Montreal
Advance Laboratories .....	218 Villeneuve E., Montreal
A.J.P. Chemical Co. Reg'd .....	433 Mondor Ave., St. Hyacinthe
Aluminum Company of Canada Limited .....	Arvida
Anachemia Chemicals Ltd. ....	260-2nd Ave., Ville St. Pierre
Anti-Hydro of Canada Ltd. ....	641 Farm St., Montreal
Aplus Products Company Limited .....	389 St. Paul St. W., Montreal
Barschel & Co. ....	7682 George St., Ville La Salle
Betz Laboratories Ltd. ....	384 St. Paul St. W., Montreal
Blachford, H.L., Limited .....	977 Aqueduct St., Montreal
Brown Corporation .....	La Tuque
Canada Match Co. Limited .....	10 Cousineau, Hull
Canadian Arsenals Limited .....	Palace Hill, Quebec
Canadian Arsenals Limited .....	St. Paul L'Ermite
Canadian Industries Limited .....	Brownsburg
Canadian Industries Limited .....	McMasterville
Canadian Safety Fuse Company Limited .....	Brownsburg
Carron, Joseph .....	La Macaza
Carter White Lead Co. of Canada Limited, The .....	1071 Delorimier Ave., Montreal
Cartier Chemical Co. Ltd. ....	445-21st Ave., Lachine
Chipman Chemicals Limited .....	Buckingham
Cie Desinfectant Hygienic .....	5636 Waverly, Montreal
Clough Chemical Company Limited .....	33 St. Mathieu St., St. Laurent
Colloids of Canada Ltd. ....	390 Duvernay St., Granby
Combustion Chemicals Co. Reg'd .....	343A Galt St., Verdun
Combustion Utilities Corp. ....	7220 Alexandra Ave., Montreal
Consumers Can Co. ....	632 Notre Dame W., Montreal
Conway Mfg. Co., Reg'd .....	45 Depot St., Sherbrooke
Dansereau, Alex., & Cie, Ltée .....	R.R. No. 3, St. Boniface
Defence Industries (1951) Limited .....	Valley Field
Dewey & Almy Chemical Co. of Canada Ltd. ....	255 La Fleur Ave., La Salle
Durable Products Reg'd .....	4219 Hogan, Montreal
Eddy Match Company Limited .....	Berthierville
Handy Chemical Enterprises Reg'd .....	3171 St. Catharine St., Montreal
Inter-City Petroleum Co. ....	3745 Gouin Blvd, East, Montreal
Karch Special Chemical Co. ....	283 St. Zotique West, Montreal
Kennedy Mfg. Co. ....	112 McGill St., Montreal
Laboratories Choisy Ltée .....	98 Boulevard Est, Louiseville
La Compagnie Unica .....	6715 De Chateaubriand, Montreal
LaForte, O., Ltée .....	5757 Boyer, Montreal
Lea Products Company .....	996 De Bullion St., Montreal
Les Produits Chimiques Empire Enrg. ....	1202 St. Vallier, Quebec
Les Produits Marquette Limitée .....	21, rue Courcelette, Québec
Lignosol Chemicals Ltd. ....	Chandler
Lignosol Chemicals Ltd. ....	P.O. Box 1456, Quebec
McArthur, Irwin, Limited .....	7-35 Bates Rd., Outremont
McLean Chemicals Limited .....	938 Victoria Square, Montreal



## Directory of Firms Included in the Miscellaneous Chemical Products Industry, 1952 - Continued

Name of firm	Location of plant
<b>Quebec - concluded:</b>	
Montreal Fireworks Display Mfg. Co. ....	69-7th Ave., Ville St. Pierre
Morvaan Limited .....	10050 Montée St. Laurent, Montreal
Mysto Inc. ....	3128 Masson St., Montreal
Osmose Wood Preserving Co. of Canada Limited .....	1080 Pratt Ave., Montreal
Permanent Pad Crystal Enrg. ....	1602 Laurier East, Montreal
Prescott Robinson Sales Company Limited .....	50 Maple Blvd., Lachine
Releasall Company, The .....	41 St. James St. East, Ville St. Pierre
Richards Chemical Works Ltd., The .....	178 St. Peter St., St. Johns
Robert Chemical Co. Ltd. ....	1801 Favard St., Montreal
Sanitary Supple & Equipment Ltd. ....	4275 Iberville St., Montreal
Sherwin - Williams Co. of Canada Ltd., The, (2 Divisions) .....	1957 Hunter St., Montreal
Standard Chemical Company Limited .....	Weedon
Texall Products Company Limited .....	5090 Notre Dame St. West, Montreal
Texavon Chemical Company Limited .....	85A Vitre St. West, Montreal
Tinto Products .....	6504 Cartier St., Montreal
Trilon Chemicals Limited .....	260 Victoria St., Lachine
Turgeon Chemicals Limited .....	340-360 Dube St., Montreal East
Union Products Inc. ....	1150 Conway St., Montreal
Wallerstein Company (Canada) Ltd. ....	361 Youville St., Montreal
West Disinfecting Company Limited .....	5621 Casgrain St., Montreal
<b>Ontario:</b>	
Admiral Sanitation Limited .....	239 Hamilton St., Toronto
Aerocide Dispensers Limited .....	Queen Elizabeth Blvd., Toronto
Alchem Limited .....	Burlington
Allied Manufacturing Co. ....	4 Hounslow Heath Rd., Toronto
American Chemical Paint Company .....	Walker St., Windsor
Anti-Borax Compound Co. Limited .....	1244 McDougall St., Windsor
Archer-Daniels-Midland Company (Canada) Ltd. ....	200 Fairbanks Ave., Toronto
Armalite Company Limited .....	Crystal Arts Square, Toronto
Arndt - Palmer Laboratories of Canada Ltd. ....	457 Sandwich St. E., Windsor
Associated Chemical Company of Canada Limited .....	14 Darrell Ave., Toronto
Ault & Wiborg Co. of Canada Limited, The .....	1450 Dupont St., Toronto
Bartlett, N.M., Mfg. Co. Ltd. ....	Beamsville
Beacon Chemicals of Canada Limited .....	17 Paton Rd., Toronto
Bell Chemicals Ltd. ....	83 Mead Ave., Hamilton
Bellak Brothers Limited .....	1 Craft St., Toronto
Berlou Company (Canada) Limited, The .....	2 Langarth West, London
Bikoe Manufacturing Co. Ltd. ....	259 Parliament St., Toronto
Bird-Archer Co. Limited, The .....	Second Street, Cobourg
Blue Bird Dust Absorber .....	452 McArthur Rd., Ottawa
Book Match Manufacturers Ltd., The .....	1244 Dufferin St., Toronto
Boyle Chemicals Limited .....	11 Evergreen Ave., Long Branch
Budget Products Limited .....	West Lorne
Canada Rex Spray Company Limited .....	Brighton
Canadian Aniline & Extract Co. Limited .....	162 Ward Ave., Hamilton
Canadian Charcoal Limited .....	Kearney
Canadian Germicide Company Limited .....	591 The Queensway, Toronto
Canadian Industries Limited .....	Nobel
Canadian Industries Limited .....	Burlington St. East, Hamilton
Canadian Pep Manufacturing Company Limited .....	972 Queen St. West, Toronto
Canadian Shaler Products Company Limited .....	29 Dartnell Ave., Toronto
Canadye Corporation, The .....	129 Rebecca St., Hamilton
Canicula Chemical Co. ....	4 Spruce St., Toronto
Cardel Enterprises Ltd. ....	Queen Elizabeth Blvd., Toronto
Century Chemical Products Company Ltd. ....	337 Carlaw, Toronto
Cert Seal Mfg. Co. ....	1260 Queen St. West, Toronto
Chambers, H.T., Co. ....	Etobicoke
Champion Co. of Canada Limited, The .....	856 Millwood Rd., Leaside
Chemical Oil Processing Company .....	1460 Dupont St., Toronto
Chemical Specialties Assoc'n .....	404 N. Front St., Sarnia
Chemol Corporation Limited .....	87 Lake St., St. Catharines
Church, Thompson, & Co. ....	1052 Bathurst St., Toronto
Combustion & Feed Water Service Co. ....	218 Front St. East, Toronto
Campagnie Parento Limited .....	73 Adelaide St. West, Toronto
Common Sense Manufacturing Co. Ltd. ....	Fort Erie
Connecticut Chemical (Canada) Ltd. ....	Curity & Hollinger Rds., Toronto
Cromac Chemical Co. Limited .....	57 Blake St., Toronto
Dearborn Chemical Company Limited .....	2454 Dundas St. West, Toronto
Deodor-X Company of Canada Limited .....	17 Phoebe St., Toronto
Dodge Chemical Company (Canada) Limited, The .....	26 Cumberland St., Toronto
Dominion Colour Corporation Limited .....	199 New Toronto St., New Toronto
Drew, E.F., & Co. Ltd. ....	Ajax



## Directory of Firms Included in the Miscellaneous Chemical Products Industry, 1952 - Continued

Name of firm	Location of plant
<b>Ontario - concluded:</b>	
Dustbane Mfg. Co. Ltd.	Hurdman's Bridge, Ottawa
Dye & Chemical Co. of Canada Ltd.	River & Orchard Sts., Kingston
Eaton Chemical & Dyestuff Co.	162 Queen's Quay E., Toronto
Eaton Chemical & Dyestuff Company	314 Giles Blvd. East, Windsor
Eckels, H.S., & Company (Canada) Ltd.	19 McMurray Ave. rear, Toronto
Eddy Match Company Limited	Water Street, Pembroke
Embalmers Supply Co. of Canada Ltd., The	218 Front St. East, Toronto
Ensign Industrials Limited	33 Carleton St., St. Catharines
Fairview Chemical Company	56 Newcastle St., Toronto
Fyr-Loc Products Corp. Ltd.	Willowdale
Hand, G.W., Fireworks Co. Ltd.	Cooksville
Hart Products Company of Canada, Limited	Victoria Road, Guelph
Hercules Powder Company (Canada) Ltd.	Burlington
Hollingshead, R.M., Co. of Canada Limited, The	Bowmanville
Houghton, E.F., & Co. of Canada Limited	100 Symes Rd., Toronto
Howard, A.H., Chemical Co. Ltd.	4221 Dundas St. W., Toronto
Hunnisett, H.S., Limited	11-25 Jarvis St., Toronto
Industrial Waxes Limited	430 Adelaide St., London
International Waxes Limited	Agincourt
Kert Mfg. Co. Ltd.	230 King St. E., Toronto
King Calcium Products	Campbellville
Koppers Products Limited	Box 60, Port Arthur
Latimer Limited	90 Niagara St., Toronto
Lawrason, S.F., & Co. Limited	639 Nelson St., London
Lecithin Products (Canada) Limited	48 Dundas St. West, Belleville
Lloyds Laboratories Limited	Pickering
MacCallum Mfg. Co.	2 Primrose Ave., Toronto
Maitland Furnace Supplies	Maitland
Manchester Products	85 Ainslie S., Galt
Mandaree Limited	114 Manville Rd., Toronto
Master Builders Co. Limited, The	1107 Millwood Rd., Leaside
National Specialties Company	524 Front St. West, Toronto
Neilson Chemical Company of Canada	2682 Tecumseh Rd. East, Windsor
Neverdust Chemical Co.	15A Lennox St., Toronto
Niagara Brand Spray Co. Limited	Burlington
North American Dye Corporation Limited, The	Coboconk
Northern Industrial Products	Ajax
Northern Pigment Co. Ltd.	Towns Rd., Etobicoke
Novadel-Agene Limited	Garrison Rd., Fort Erie
Ocean Chemicals Limited	259 Danforth Ave., Toronto
Ontario Fire Prevention & Service	645 Queen St. E., Toronto
Ontario Paper Co. Ltd.	Thorold
Paisley Products of Canada Ltd.	Scarborough
Parker Rust Proof Company of Canada Ltd.	568 Chatham St. East, Windsor
Par-San Products	Islington
Peterman Products Company	1 Bathurst St., London
Plunkett Chemical Co. (Canada) Ltd.	302 Cumberland Ave., Hamilton
Polymer Corporation Limited	Sarnia
Pyrene Manufacturing Co. of Canada Limited	91 East Don Roadway, Toronto
Quaker City Chemical Co. of Canada Limited	Birmingham St. & Whitfield Ave., Hamilton
Radiator Specialty Company of Canada Limited	340 Gerrard E., Toronto
Red Line Chemicals of Canada Limited	Portland & Audley Sts., Mimico
Rock-Tred Corporation (Canada) Limited	Oakville
Rohm & Haas Company of Canada Limited	511 Terminal Warehouse Bldg., Toronto
Scholler Brothers Limited	Welland & Vine Sts., St. Catharines
Shell Oil Company of Canada Limited	Carlaw & Commissioner Sts., Toronto
Smith, Howard, Paper Mills Limited	1 Hazel St., Cornwall
Snowdon, C.C., Eastern Ltd.	1364 Bloor St. W., Toronto
Soclean Products	Agincourt
Standard Chemical Company Limited	South River
Standard Ultramarine Co. of Canada Ltd., The	56-60 St. Helen's Ave., Toronto
Strike Rite Matches Limited	424 Ridout St., London
Swish Chemical Products	215 Simcoe St., Peterborough
Taylor & McKibbin	127 Raleigh Ave., Toronto
Temuss Products Canada Ltd.	45 Dickens, Toronto
Tennier Chemical & Sales Co.	124½ Jackson St. East, Hamilton
Tumbler, J.A., Laboratories Ltd., The	337 Carlaw Ave., Toronto
Van Camp Products & Sales Co.	177 Parliament St., Toronto
Wagner Brake Company Limited	43 Edward St., Toronto
Welco Chemical Company	360 Sumach St., Toronto
Wilson, G., & Company	229 Erie Ave., Brantford
Wilson Laboratories Limited	Brock & Hatt Sts., Dundas
Woburn Chemicals Limited	Beechwood Drive, Toronto
"X" Laboratories	1197 Lawrence Ave. W., Toronto
Yocum Faust Limited	123 St. George St., London



## Directory of Firms Included in the Miscellaneous Chemical Products Industry, 1952 - Concluded

Name of firm	Location of plant
<b>Manitoba:</b>	
Bristow & Elliott .....	1088 Winnipeg Ave., Winnipeg
Canadian Industries Limited .....	East Selkirk
Chipman Chemicals Limited .....	1040 Lynn Ave., Winnipeg
City Chemical & Products Company Limited .....	233 Fort St., Winnipeg
Dustbane Western Ltd. ....	349 Elgin Ave., Winnipeg
Hastings & Sons Limited .....	Marion St. & Dawson Rd., St. Boniface
Robinson & Webber Limited .....	104 Princess St., Winnipeg
Poulin, N.L., Limited .....	24 Marion St., St. Boniface
Riess, Charles, & Co. ....	372 Colony St., Winnipeg
<b>Saskatchewan:</b>	
Chemical Products Co. Ltd. ....	1326 Atkinson St., Regina
Fairview Chemical Co. Ltd. ....	1355 St. John St., Regina
Hub City Mfg. Co. ....	468-1st Ave. North, Saskatoon
Malko Chemical Products .....	1020-17 St. West, Saskatoon
<b>Alberta:</b>	
Allied Chemical Services, Ltd. ....	940-10th Ave. W., Calgary
Canada West Products Co. ....	718 Second Ave. West, Calgary
Chemi - Serve (Alberta) Ltd. ....	940-10th Ave. W., Calgary
Chipman Chemicals Limited .....	12th Ave. & 6th St. East, Calgary
Dustbane (Alberta) Ltd. ....	623-6th Ave. E., Calgary
Helmer Chemical Co. Ltd. ....	38 Union Bldg., Calgary
Snowdon, C.C., Estate .....	1810-11th St. East., Calgary
Tartan Chemicals Ltd. ....	201 Bateman Bldg., Edmonton
Western Supply & Mfg. Company .....	1822-10th Ave. West, Calgary
<b>British Columbia:</b>	
Ansell Laboratories Limited .....	Vernon
Canadian Construction Products Ltd. ....	1025 West 77th Ave., Vancouver
Canadian Industries Limited .....	James Island
Carpenter & Harrison Ltd. ....	1119 Vancouver St., Victoria
Chipman Chemicals Limited .....	580 Greendall Ave., South Burnaby
Commercial Chemicals Limited .....	Pier "H", Ft. of Carrall St., Vancouver
Dustbane Co. of B.C. Limited .....	722 Cambie St., Vancouver
Eddy Match Co. Ltd. ....	Mission City
Field, A.H.T., & Co. Ltd. ....	1269 E. Broadway, Vancouver
Goddard & Co. ....	100 Victoria Ave., Sidney
Later Chemicals Ltd. ....	316 Lancaster Crescent, Sea Island
Noxall Products Ltd. ....	1820 W. 3rd Ave., Vancouver
Oliver Chemical Company Limited, The .....	645 Wade Ave. West, Penticton
Pied Piper Products Ltd. ....	3126 Kingsway, Vancouver
Rotox Limited .....	1624 West 3rd Ave., Vancouver
Shell Oil Company of Canada Ltd. ....	Pandora & Kensington Ave., Vancouver
Simpson, A., & Co. ....	1121 S.W. Marine Drive, Vancouver
Smith - Barregar Ltd. ....	115 West 3rd Ave., Vancouver
Wenatchee Rex Spray Co. Ltd. ....	346 West 5th St., Vancouver