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CHEMICALS AND ALLIED PRODUCTS  
1949

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# CHEMICALS AND ALLIED PRODUCTS

1949

General Review

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Prepared in the Mining, Metallurgical and Chemical Section  
Industry and Merchandising Division  
Dominion Bureau of Statistics, Ottawa

## NOTICE

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

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

- I Summary Report on Manufacturing Industries
- II Manufacturing Industries by Geographical Distribution
- III Foods and Beverages
- IV Tobacco and Tobacco Products
- V Rubber Products
- VI Leather Products
- VII Miscellaneous Manufactures
- VIII Textiles
- IX Wood and Paper Products
- X Printing Trades
- XI Operations in the Woods
- XII Iron and Steel Products
- XIII Transportation Equipment
- XIV Non-ferrous Metal Products
- XV Electrical Apparatus and Supplies
- XVI Non-metallic Mineral Products
- XVII Products of Petroleum and Coal
- XVIII Chemicals and Allied Products

The present report belongs in Group XVIII. 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
- B The Acids, Alkalies and Salts Industry
- C The Fertilizers Industry
- D The Fertilizer Trade in Canada
- E The Medicinal and Pharmaceutical Preparations Industry
- F The Paints, Varnishes and Lacquers Industry
- G The Primary Plastics Industry
- H The Soaps, Washing Compounds and Cleaning Preparations Industry
- I The Toilet Preparations Industry
- J The Vegetable Oil Industry
- K The Inks Industry
- L The Adhesives Industry
- M The Polishes and Dressings Industry
- N The Compressed Gases Industry
- O The Coal Tar Distillation Industry
- P The Miscellaneous Chemical Products Industry

# CHEMICALS AND ALLIED PRODUCTS

1949

## General Review

The chemical and allied industries kept pace with the general high level of industrial production in Canada in 1949. Value of output in 1949 for this group of industries was \$587.4 millions or 1.3 per cent more than the former peace-time high of \$579.8 millions reached in 1948. Except for soaps, medicinals, adhesives and vegetable oils, the production and domestic consumption were greater than in any other year. Shipments for exports, however, were 11.4 per cent lower than in 1948.

Ten of the 14 industries in this group showed substantial gains in output in 1949 compared with the previous year. The percentage increases were as follows: coal tar distillation, 15.5; polishes, 17.7; primary plastics, 27.9; toilet preparations, 11.7; miscellaneous, 7.8; compressed gases, 6.9; fertilizers, 5.3; inks, 7.9; heavy chemicals, 5.4; and paints, 1.9. Output from the soaps industry declined 7.7 per cent, adhesives dropped 9.6 per cent, vegetable oils about 19.5 per cent, and medicinal preparations, 0.3 per cent.

In the entire group in 1949 there were 1,037 plants with 41,328 employees and aggregate payroll amounting to \$100.7 millions. The 531 works in Ontario accounted for 51 per cent of the employees and 56 per cent of the production, and the 334 establishments in Quebec accounted for 38 per cent of the workers and 29 per cent of the output value. British Columbia had 67 plants with an aggregate output of \$49 millions.

Imports of chemicals and allied products rose 10 per cent in 1949 to \$130.6 millions, the gains being mainly in drugs and pharmaceuticals, cellulose plastics, fertilizers and in miscellaneous chemicals. Purchases from the United States were worth \$115 millions or 88 per cent of the total value, and purchases from the United Kingdom amounted to \$8.4 millions or 6.5 per cent of the total. Imports from France were worth \$1.8 millions, from Switzerland, \$1.1 millions, and from Germany \$1.0 millions. Ten years ago the value of imports from all countries was \$51.8 millions and in 1930 it was \$36.8 millions.

Exports declined again for the third successive year, the value for 1949 being \$70.7 millions compared with \$79.8 millions in 1948 and \$83.8 millions in 1947. Fertilizers at \$39.4 millions accounted for 56 per cent of the total exports. Synthetic resins were of next importance at \$4.9 millions, then sodium compounds at \$4.2 millions, medicinals including penicillin and streptomycin at \$3.8 millions, acids at \$2.7 millions, calcium compounds at \$1.9 millions, and pigments and colours at \$1.2 millions.

Canada's chemical and allied industries have shown impressive growth in the past decade. Since 1940 there has been a threefold increase in output value, from \$194 millions to \$587 millions, but probably as much as one-half of this gain was due entirely to increases in commodity prices. The index of volume of production has advanced over this period from 120.1 to 182.2, indicating a physical expansion in output of approximately 51 per cent. Forecasts on capital expenditures by firms in this field indicate that \$37.8 millions was spent on new buildings and equipment in 1950 and a further \$21.2 millions on maintenance and repairs of capital equipment.

Employment in the chemical industries increased from 27,682 in 1940 to 41,328 in 1949, and payments in salaries and wages advanced from \$38.6 millions to \$100.7 millions. From the employment standpoint the medicinals industry was most important in 1949 with 7,658 workers, the miscellaneous industry was next with 7,145 persons on its payrolls, then paints with 6,035 employees, heavy chemicals with 5,861, and soaps with 3,637.



## CHEMICALS AND ALLIED PRODUCTS

TABLE 1. Principal Statistics for the Chemicals and Allied Products Group, by Industries, 1948 and 1949.

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
	No.	No.	\$	\$	\$	\$
1948						
Acids, alkalies and salts.....	29	5,889	15,348,441	7,752,690	22,551,999	70,600,246
Fertilizers .....	33	3,169	8,015,656	2,227,565	30,043,381	63,986,427
Medicinals and pharmaceuticals .....	215	7,641	15,414,695	694,489	26,576,177	71,714,274
Paints and varnishes .....	114	5,558	12,341,334	616,688	44,436,957	81,278,591
Primary plastics .....	12	1,149	2,770,529	331,932	7,630,498	16,440,747
Soaps, washing compounds and cleaning preparations .....	149	3,351	8,124,916	895,339	38,839,732	67,586,991
Toilet preparations .....	90	1,658	2,749,569	70,163	6,538,843	17,044,566
Vegetable oils .....	16	819	1,885,451	426,314	51,390,930	63,673,373
Inks .....	32	642	1,711,536	72,214	3,834,263	8,287,580
Adhesives .....	25	771	1,829,603	356,191	4,701,297	8,660,211
Polishes and dressings .....	53	723	1,405,214	68,841	5,182,670	10,080,458
Compressed gases .....	45	1,156	2,613,283	404,455	2,180,518	11,314,387
Coal tar distillation .....	11	380	881,907	542,630	5,076,131	8,077,247
Miscellaneous chemical products .....	202	6,642	14,233,637	3,507,902	44,058,478	81,082,411
<b>Total .....</b>	<b>1,026</b>	<b>39,548</b>	<b>89,325,771</b>	<b>17,967,413</b>	<b>293,041,874</b>	<b>579,827,509</b>
1949						
Acids, alkalies and salts .....	28	5,881	16,504,908	7,355,353	27,392,521	74,411,796
Fertilizers .....	32	3,269	9,004,943	1,772,400	31,671,468	67,428,067
Medicinals and pharmaceuticals .....	218	7,658	16,116,592	593,187	22,900,555	71,502,135
Paints and varnishes .....	112	6,035	14,137,815	622,236	42,427,832	62,860,500
Primary plastics .....	14	1,286	3,496,087	461,318	10,897,184	21,022,219
Soaps, washing compounds and cleaning preparations .....	143	3,637	9,373,882	963,732	31,029,359	62,398,211
Toilet preparations .....	94	1,720	3,008,556	74,090	7,088,024	19,047,435
Vegetable oils .....	15	829	2,122,103	477,054	41,631,796	51,241,541
Inks .....	32	704	1,968,794	63,286	4,002,313	8,939,638
Adhesives .....	25	749	1,727,848	339,839	4,218,359	7,824,564
Polishes and dressings .....	57	797	1,655,980	77,603	5,918,662	11,865,149
Compressed gases .....	48	1,223	3,230,904	431,855	1,979,160	12,091,176
Coal tar distillation .....	11	415	1,166,863	549,310	4,786,640	9,332,787
Miscellaneous chemical products .....	208	7,145	17,175,387	5,436,456	44,065,072	87,432,997
<b>Total .....</b>	<b>1,037</b>	<b>41,328</b>	<b>100,690,662</b>	<b>19,217,719</b>	<b>280,008,945</b>	<b>587,398,215</b>

TABLE 2. Principal Statistics for the Chemicals and Allied Products Group, by Provinces, 1948 and 1949

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
	No.	No.	\$	\$	\$	\$
1948						
Prince Edward Island and Nova Scotia .....	17	383	738,884	146,219	4,545,433	6,864,116
New Brunswick .....	7	174	374,262	59,385	3,499,732	4,686,912
Quebec .....	337	14,515	31,228,974	4,862,240	79,100,944	170,377,188
Ontario .....	523	20,538	47,816,697	11,214,884	167,964,964	322,675,904
Manitoba .....	38	724	1,342,911	110,785	6,495,884	11,610,034
Saskatchewan .....	11	170	332,408	46,212	4,118,240	5,141,516
Alberta .....	21	491	1,130,737	635,923	3,878,515	8,882,123
British Columbia .....	72	2,553	8,361,098	891,785	23,438,162	49,589,716
<b>Canada .....</b>	<b>1,026</b>	<b>39,548</b>	<b>89,325,771</b>	<b>17,967,413</b>	<b>293,041,874</b>	<b>579,827,509</b>

TABLE 2. Principal Statistics for the Chemicals and Allied Products Group, by Provinces, 1948 and 1949 - Concluded

Province	Estab- lishments	Employees	Salaries and wages for year	Cost of fuel and electricity at works	Cost of materials at works	Selling value of products at works
	No.	No.	\$	\$	\$	\$
1949						
Newfoundland .....	8	95	186,636	12,015	627,873	953,020
Prince Edward Island and Nova Scotia .....	17	355	771,831	135,947	4,244,185	7,108,115
New Brunswick .....	7	145	353,743	63,804	3,445,129	4,520,183
Quebec .....	334	15,514	36,348,846	4,258,012	76,966,471	167,323,336
Ontario .....	531	21,153	52,650,741	13,524,170	158,607,175	330,495,870
Manitoba .....	42	766	1,530,349	123,878	7,297,881	13,244,323
Saskatchewan .....	11	220	577,946	48,980	4,115,150	5,574,878
Alberta .....	20	599	1,592,201	712,964	3,452,467	9,318,559
British Columbia .....	67	2,479	6,678,369	337,949	21,252,614	48,859,931
<b>Canada .....</b>	<b>1,037</b>	<b>41,328</b>	<b>100,690,662</b>	<b>19,217,719</b>	<b>280,008,945</b>	<b>587,398,215</b>

TABLE 3. Employees and Their Earnings in the Chemicals and Allied Products Group, by Industries and by Provinces, 1949

	Number of employees					Earnings		
	Supervisory and office		Production and related workers		Total	Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female		\$	\$	\$
(a) By Industries:								
Acids, alkalies and salts .....	1,096	325	4,394	46	5,861	4,822,728	11,682,180	16,504,908
Fertilizers .....	659	201	2,390	19	3,269	2,770,227	6,234,716	9,004,943
Medicinals and pharmaceuticals .....	1,622	1,384	2,274	2,378	7,658	8,427,656	7,688,936	16,116,592
Paints and varnishes .....	1,696	836	3,115	388	6,035	6,557,144	7,580,671	14,137,815
Plastic products .....	337	128	787	34	1,286	1,466,477	2,029,610	3,496,087
Soaps, washing compounds and cleaning preparations .....	1,000	501	1,672	464	3,637	4,270,295	5,103,587	9,373,682
Toilet preparations .....	263	322	375	760	1,720	1,485,708	1,522,848	3,008,556
Vegetable oils .....	202	67	559	1	829	820,678	1,301,425	2,122,103
Inks .....	130	84	451	39	704	799,897	1,168,897	1,968,794
Adhesives .....	165	69	485	30	749	570,317	1,157,531	1,727,848
Polishes and dressings .....	187	149	262	199	797	887,144	768,836	1,655,980
Compressed gases .....	316	244	660	3	1,223	1,491,331	1,739,573	3,230,904
Coal tar distillation .....	74	28	313	-	415	303,946	862,917	1,166,863
Miscellaneous chemical products .....	1,657	772	3,824	892	7,145	7,168,692	10,006,695	17,175,387
<b>Total .....</b>	<b>9,404</b>	<b>5,110</b>	<b>21,561</b>	<b>5,253</b>	<b>41,328</b>	<b>41,842,240</b>	<b>58,848,422</b>	<b>100,690,662</b>
(b) By Provinces:								
Newfoundland .....	23	5	51	16	95	64,743	121,893	186,636
Prince Edward Island and Nova Scotia .....	89	38	238	10	355	272,919	498,912	771,831
New Brunswick .....	23	7	114	1	145	71,353	282,390	353,743
Quebec .....	4,020	2,074	7,229	2,191	15,514	17,254,330	19,094,516	36,348,846
Ontario .....	4,428	2,681	11,239	2,805	21,153	20,771,892	31,878,849	52,650,741
Manitoba .....	168	87	409	104	768	654,818	875,531	1,530,349
Saskatchewan .....	95	42	78	5	220	387,131	190,815	577,946
Alberta .....	126	45	403	25	599	514,164	1,078,037	1,592,201
British Columbia .....	452	131	1,800	96	2,479	1,850,890	4,827,479	6,678,369
<b>Canada .....</b>	<b>9,404</b>	<b>5,110</b>	<b>21,561</b>	<b>5,253</b>	<b>41,328</b>	<b>41,842,240</b>	<b>58,848,422</b>	<b>100,690,662</b>

## CHEMICALS AND ALLIED PRODUCTS

TABLE 4. Production and Related Workers (Wage Earners) in the Chemicals and Allied Products Group, by Industries and by Months, 1949

Month	Acids, alkalies and salts	Fertilizers	Medicinals and pharmaceuticals	Paints and varnishes	Primary plastics	Soaps and cleaning preparations	Toilet preparations
(Number)							
January .....	4,666	2,359	4,646	3,444	799	2,026	977
February .....	4,587	2,436	4,729	3,480	787	2,023	971
March .....	4,503	2,538	4,697	3,550	791	1,980	978
April .....	4,479	2,645	4,649	3,630	792	1,947	981
May .....	4,521	2,668	4,609	3,727	810	1,992	975
June .....	4,543	2,345	4,670	3,598	812	2,217	1,102
July .....	4,406	2,321	4,553	3,537	816	2,240	1,131
August .....	4,388	2,392	4,674	3,487	815	2,253	1,249
September .....	4,359	2,283	4,624	3,412	827	2,312	1,364
October .....	4,234	2,343	4,641	3,416	863	2,292	1,401
November .....	4,278	2,303	4,690	3,449	855	2,244	1,336
December .....	4,303	2,294	4,624	3,371	885	2,148	1,160
<b>Total .....</b>	<b>53,267</b>	<b>28,927</b>	<b>55,806</b>	<b>42,101</b>	<b>9,852</b>	<b>25,674</b>	<b>13,625</b>

  

	Vegetable oils	Inks	Adhesives	Polishes and dressings	Compressed gases	Coal tar distillation	Miscellaneous	Total
(Number)								
January .....	616	477	582	463	646	291	4,691	26,683
February .....	618	478	569	446	835	290	4,610	26,657
March .....	572	462	554	447	642	289	4,665	26,668
April .....	566	467	571	458	648	299	4,765	26,897
May .....	529	478	545	470	871	325	4,807	27,127
June .....	543	490	543	486	679	324	4,881	27,233
July .....	500	497	485	492	681	316	4,691	26,666
August .....	509	505	472	483	689	320	4,756	26,994
September .....	547	505	461	458	672	337	4,605	26,786
October .....	598	516	483	445	665	331	4,656	26,884
November .....	577	514	443	443	658	316	4,608	26,716
December .....	558	520	442	427	654	318	4,598	26,302
<b>Total .....</b>	<b>6,733</b>	<b>5,907</b>	<b>6,170</b>	<b>5,518</b>	<b>7,940</b>	<b>3,758</b>	<b>56,535</b>	<b>321,813</b>

TABLE 5. Production and Related Workers (Wage Earners) in the Chemicals and Allied Products Group, by Provinces and by Months, 1949

Month	Newfoundland	Prince Edward Island and Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
(Number)										
January .....	61	235	124	9,659	13,732	478	65	400	1,909	26,683
February .....	61	254	123	9,631	13,741	491	81	407	1,868	26,657
March .....	65	260	116	9,598	13,723	476	83	410	1,937	26,668
April .....	69	287	146	9,620	13,872	484	89	406	1,922	26,897
May .....	75	296	163	9,572	14,028	505	91	418	1,977	27,127
June .....	78	256	97	9,384	14,391	548	93	447	1,941	27,233
July .....	76	247	89	9,253	14,209	534	85	448	1,925	26,666
August .....	78	247	108	9,338	14,304	508	88	425	1,898	26,994
September .....	68	219	113	9,271	14,204	536	84	445	1,846	26,766
October .....	63	231	105	9,261	14,233	571	82	451	1,887	26,884
November .....	61	218	98	9,318	14,131	554	70	450	1,816	26,716
December .....	62	223	97	9,136	13,925	492	60	432	1,855	26,302
<b>Total .....</b>	<b>817</b>	<b>2,975</b>	<b>1,381</b>	<b>113,041</b>	<b>168,493</b>	<b>6,175</b>	<b>1,011</b>	<b>5,139</b>	<b>22,781</b>	<b>321,813</b>



TABLE 6. Alphabetical List of Materials Used in the Industries in the Chemicals and Allied Products Group, 1949

Item	Quantity	Cost at works
		\$
Acetic anhydride .....	lb. 19,428	2,623
Acetone .....	lb. 3,090,123	344,036
Acetylene .....	cu. ft. 85,250,893	573,009
Acid:		
Acetic .....	lb. 764,080	63,863
Acetylsalicylic .....	lb. 669,115	276,359
Arsenic (As <sub>2</sub> O <sub>3</sub> ) .....	lb. 1,831,089	100,432
Benzoic .....	lb. 6,686	3,258
Boric or boracic .....	lb. 410,616	40,995
Citric .....	lb. 691,659	195,540
Cresylic .....	lb. 56,455	13,022
Fatty, n.e.s. ....	lb. 3,103,334	278,851
Formic .....	lb. 101,965	19,602
Gallic .....	lb. 1,083	1,710
Hydrochloric (muriatic) .....	lb. 6,040,750	106,528
Naphthenic .....	lb. 1,636,000	151,740
Nitric .....	lb. 7,620,300	341,001
Oleic .....	lb. 950,407	154,870
Oxalic .....	lb. 142,400	21,233
Phosphoric .....	lb. 594,894	39,116
Stearic .....	lb. 897,019	165,450
Sulphuric .....	lb. 1,052,773,982	3,537,931
Tannic .....	lb. 3,402	4,352
Tartaric .....	lb. 581,773	205,239
Alcohol:		
Amyl (Fused oil) .....	gal. 70	125
Butyl .....	lb. 2,446,790	368,565
Ethyl .....	gal. 1,034,670	1,278,938
Methyl (wood), refined .....	gal. 136,570	121,347
Aluminum rod, strip, etc. ....	lb. 46,164	16,003
Aluminum hydrate .....	lb. 21,158,300	423,166
Aluminum sulphate (alum) .....	lb. 400,923	6,916
Ammonia:		
Anhydrous .....	lb. 126,534,636	2,577,158
Liquor .....	—	421,317
Ammonium chloride .....	lb. 130,399	9,433
Ammonium nitrate .....	lb. 44,549,857	1,521,402
Ammonium phosphate .....	ton 5,636	403,439
Ammonium sulphate .....	ton 38,843	1,741,489
Amyl acetate .....	lb. 613,077	117,736
Arsenic, white (As <sub>2</sub> O <sub>3</sub> ) .....	lb. 49,313	3,905
Asphalt .....	gal. 4,381,809	576,376
Barium chloride .....	lb. 319,817	19,239
Barium nitrate .....	lb. 86,087	12,333
Barytes .....	lb. 2,826,420	77,797
Bentonite (Filtrol, Pembina, etc.) .....	ton 871	64,310
Benzol .....	lb. 2,034,709	77,695
Bismuth metal .....	lb. 18,984	34,647
Bismuth salts .....	lb. 17,868	56,354
Black, lamp, bone and other, n.e.s. ....	lb. 339,844	58,232
Blanc Fixe .....	lb. 417,945	19,194
Blood, dried .....	ton 50	3,929
Blue, ultramarine .....	lb. 244,406	62,577
Bone meal and bone flour .....	ton 304	27,469
Bones .....	ton 12,897	538,128
Borax .....	lb. 1,517,642	64,540
Brass rod, strip, etc. ....	lb. 1,877,840	506,334
Brucite fines .....	ton 923	37,085
Butyl acetate .....	lb. 3,171,676	539,389
Butyl cellulose .....	lb. 82,066	25,375
Caffeine .....	lb. 17,263	84,586
Calcium arsenate .....	lb. 517,418	42,381
Calcium carbide .....	lb. 19,839,080	957,736
Calcium carbonate (ground chalk, whiting) .....	lb. 21,905,642	333,658
Calcium chloride .....	lb. 5,230,683	104,507
Calcium cyanamide .....	ton 36,559	1,410,506
Calcium sulphate .....	lb. 1,585,394	22,609
Camphor .....	lb. 41,955	31,347
Carbon bisulphide .....	lb. 3,348,121	166,733
Carbon black .....	lb. 1,655,278	210,222
Carbon dioxide gas (unpurified) .....	—	27,239
Carbon tetrachloride .....	lb. 516,004	51,878
Caseln .....	lb. 1,473,455	335,471
Chalk, precipitated .....	lb. 584,349	33,045
Charcoal .....	lb. 2,801,897	61,757
Chloride of lime .....	lb. 2,066,546	80,245
Chlorine, liquid .....	lb. 44,677,880	1,278,357
Coal:		
Anthracite (except for fuel) .....	ton 6,306	68,117
Bituminous (except for fuel) .....	ton 825	11,562
Cobalt acetate .....	lb. 15,115	14,515
Cobalt sulphate .....	lb. 82,190	88,825
Coke:		
Petroleum (except for fuel) .....	ton 123,513	2,089,390
Other (except for fuel) .....	ton 164,424	2,803,654
Colours:		
Chrome .....	lb. 2,047,260	801,848
Over dry .....	lb. 2,688,109	1,194,816

TABLE 6. Alphabetical List of Materials Used in the Industries in the Chemicals and Allied Products Group, 1949 - continued

Item	Quantity	Cost at works
		\$
Copper strip, sheet, etc.	lb. 123,349	18,502
Copper carbonate	—	—
Copper sulphate	lb. 765,934	134,205
Copra or dried cocoanut kernels	lb. 67,320,420	5,890,500
Cotton linters	lb. 257,589	25,184
Cresol	lb. 666,993	109,045
D. D. T.	—	393,747
Dextrine	lb. 7,739,609	657,475
Diatomaceous earth	ton 7,469	324,702
Dibutyl phthalate	lb. 148,604	45,363
Dinitrotoluene	lb. 242,533	26,229
Diphenylamine	—	—
Driers:		
Linoleate	lb. 22,103	6,638
Naphthenates	lb. 1,381,321	435,399
Resinates	lb. 29,017	6,408
Other	lb. 499,934	147,061
Dyes and colours, other	—	279,840
Dyes, for packaging	—	1,682,505
Electrodes	—	790,833
Ethyl acetate	lb. 5,294,357	565,729
Ethylene glycol	lb. 24,926,142	5,239,911
Ethylene oxide	lb. 21,236,404	3,536,908
Feldspar	ton 3,161	48,419
Flaxseed, Canadian	bushel 4,591,608	18,995,333
Flour:		
Potato	lb. 515,932	35,829
Soya bean	lb. 577,962	34,285
Tapioca	lb. 614,831	68,226
Wheat	lb. 6,214,033	233,766
Other	lb. 1,283,243	78,601
Fluorspar	ton 32,947	828,241
Foots, olive and cotton seed	lb. 6,449,849	545,371
Formaldehyde	lb. 12,047,994	502,753
Fuller's earth	ton 293	11,600
Glucose	lb. 746,318	65,044
Glue	lb. 1,302,448	352,145
Glycerine:		
Crude	lb. 3,198,736	663,479
Refined	lb. 9,457,098	2,861,370
Graphite	lb. 568,625	89,997
Grease	lb. 4,544,744	339,200
Gun powder	lb. 722,192	330,027
Herbs, roots and vegetable drugs	—	652,848
Hides and hide trimmings	ton 18,645	563,613
Hydrogen	cu. ft. 1,159,459	2,920
Hydrogen chloride, anhydrous	lb. 3,067,900	112,564
Hydrogen peroxide	lb. 19,187	4,384
Insect powder	lb. 47,853	2,894
Iodine, crude	lb. 66,297	118,943
Iron, scrap	ton 2,533	58,246
Iron oxide pigments	lb. 4,121,624	294,872
Isopropyl acetate	lb. 546,050	65,508
Javel concentrate or sodium hypochlorite for dilution	—	51,294
Kaolin or china clay	lb. 5,242,605	89,281
Lead arsenate	lb. 168,507	29,996
Lead, basic carbonate, white, dry	lb. 2,639,379	492,702
Lead, basic carbonate, white, in oil	lb. 916,724	178,384
Lead, basic sulphate, white	lb. 236,399	34,188
Lead, pig	lb. 11,182,652	1,692,161
Lead, red	lb. 1,130,202	215,491
Lethane	gal. 1,534	8,166
Lime:		
Hydrated	ton 49,460	111,208
Quick	ton 21,307	259,548
Land plaster	ton 664	10,413
Limestone	ton 849,203	1,374,137
Litharge	lb. 2,743,332	482,728
Lithopone	lb. 11,625,803	885,552
Lumber	bd. ft. 996	94,583
Magnesium oxide	ton 743	28,710
Magnesium sulphate (Epsom salts)	lb. 1,589,322	60,825
Meal, ivory nut and other	lb. 338,907	8,740
Menthol	lb. 12,149	95,702
Mercury metal	lb. 435,440	328,918
Mercuric oxide	lb. 17,638	20,691
Methyl chloride	lb. 2,937,466	342,669
Mica, ground	lb. 1,137,583	48,030
Mustard seed	lb. 7,546,332	150,920
Natural gas (for making ammonia nitrate)	cu. ft. 2,790,000	377,270
Nitrocellulose or nitrocotton	lb. 2,704,554	779,761
Ochres, siennas and umbers	lb. 520,636	48,240



TABLE 6. Alphabetical List of Materials Used in the Industries in the Chemicals and Allied Products Group, 1949 - continued

Item	Quantity	Cost at works
		\$
Oil:		
Castor	gal. 467,059	854,423
Castor, dehydrated	gal. 147,643	436,451
Chinawood (tung)	lb. 6,818,088	1,573,760
Cocconut	lb. 26,712,020	4,678,460
Cod	lb. 404,603	66,041
Cod liver	lb. 998,053	305,004
Corn	lb. 364	125
Cottonseed	lb. 1,740	587
Essential and perfumes	-	2,252,727
Fish	lb. 4,715,012	568,278
Fish, hydrogenated	lb. 1,106,270	98,126
Linseed	gal. 1,903,994	3,656,460
Linseed, boiled and other	gal. 2,083,330	4,369,592
Polymerol	lb. 1,040,765	305,467
Varnol	lb. 150,030	36,779
Mineral	lb. 854,160	254,692
Mineral, white	lb. 2,721,791	276,406
Neat's foot	lb. 455,488	70,676
Oiticica	lb. 118,695	22,740
Olive	lb. 5,254	2,363
Palm	lb. 2,232,667	354,079
Peanut	lb. 70,418	2,677
Petroleum ink	lb. 11,227,190	237,348
Pine	lb. 251,040	25,270
Seal	-	-
Soya bean	gal. 206,848	280,780
Sperm	lb. 398,067	63,585
Sun flower	-	-
Tall	lb. 2,015,871	130,181
Whale	lb. 151,482	23,442
Other	-	707,160
Paradichlorobenzene	lb. 608,285	67,903
Pentasol	lb. 550,000	79,187
Petrolatum	lb. 961,201	104,427
Petroleum distillates, n.e.s.	gal. 7,121,500	2,024,410
Penicillin	million units 182,556	263,491
Phenacetin	lb. 153,266	160,428
Phenobarbital	lb. 13,716	62,797
Phenol	lb. 5,793,529	723,971
Phosphorus, amorphous	lb. 12,356	5,121
Phosphorus sesquisulphide	lb. 100,963	34,859
Phosphate rock	ton 425,405	5,673,573
Phthalic anhydride	lb. 4,795,006	1,060,149
Pigments, all other, and fillers	lb. 9,397,946	1,547,257
Pitch, coal tar	lb. 1,457,519	40,118
Plasticizers, n.e.s.	lb. 2,324,647	913,447
Platinum	-	134,557
Polyvinyl acetate	lb. 704	319
Polyvinyl chloride	lb. 2,096,618	692,664
Potash manure salts	ton 3,425	72,132
Potassium bichromate	lb. 94,816	14,514
Potassium carbonate	-	-
Potassium chlorate	lb. 21,129	2,740
Potassium chloride (muriate of potash)	ton 89,077	3,845,507
Potassium hydroxide (caustic potash)	lb. 2,088,033	153,105
Potassium iodide	lb. 20,779	41,159
Potassium magnesium sulphate	lb. 6,820,000	112,852
Potassium nitrate	lb. 525,500	49,041
Potassium perchlorate	lb. 70,828	10,416
Potassium permanganate	-	-
Potassium sodium tartrate	lb. 25,056	6,398
Potassium sulphate	lb. 14,380,000	347,714
Powders, metallic (bronze, aluminum, etc.)	lb. 590,554	290,599
Powders, rouges and other toilet preparations for packaging only	-	64,681
Pyrethrum extract and powder	lb. 104,975	24,038
Pyrites	ton 67,100	431,435
Quartz and quartzite	ton 9,411	28,233
Quebracho extract	lb. 967,682	118,414
Rapeseed	lb. 45,029,505	2,426,775
Rare earth chlorides	lb. 217,910	92,565
Resins and gums, natural	lb. 9,577,497	1,170,073
Resins, synthetic	lb. 18,738,156	4,205,291
Rosin	-	636,708
Rubber:		
Chlorinated	lb. 74,371	36,246
Synthetic	lb. 381,096	83,447
Sawdust	lb. 680,160	4,413
Shellac:		
Orange	lb. 655,092	449,547
Bleached	lb. 696,506	498,267
Other	lb. 589,750	258,766
Silica sand	ton 75,428	580,514
Silver bullion	troy oz. 190,706	142,188
Sodium, metallic	lb. 27,915	5,769
Sodium alginate	lb. 350	348
Sodium azide	lb. 6,759	8,150

TABLE 6. Alphabetical List of Materials Used in the Industries in the Chemicals and Allied Products Group, 1949—concluded

Item	Quantity	Cost at work
		\$
Sodium bicarbonate	lb. 2,704,935	79,780
Sodium bichromate	lb. 54,825	5,917
Sodium carbonate (soda ash)	lb. 68,991,911	1,161,815
Sodium chlorate	lb. 5,811,117	453,143
Sodium chloride (brine)	lb. 615,726,000	307,863
Sodium chloride (common salt)	lb. 262,606,336	1,211,563
Sodium fluoride	lb. 334,735	36,609
Sodium hydroxide (caustic soda)	lb. 58,797,787	1,835,797
Sodium nitrate (Chile saltpetre)	lb. 29,243,354	836,967
Sodium peroxide	lb. 27,609	5,439
Sodium phosphate (di)	lb. 1,102,709	93,729
Sodium phosphate (tetra)	lb. 5,764,872	521,530
Sodium phosphate (tri)	lb. 7,824,027	387,150
Sodium salicylate	lb. 15,981	9,852
Sodium silicate (water glass)	lb. 43,220,986	527,678
Sodium sulphate	lb. 103,537	8,124
Sodium sulphide	lb. 203,988	10,745
Sodium metasilicate	lb. 1,053,632	45,405
Solvents, n.e.s.	gal. 2,028,915	761,839
Soy beans	lb. 257,936,070	11,460,680
Starch:		
Corn	lb. 2,655,603	184,192
Other	lb. 1,035,040	76,766
Strontium carbonate	lb. 990	327
Strontium nitrate	lb. 509,781	52,782
Strontium oxalate	lb. 311	182
Strychnine	lb. 1,528	23,860
Sugar	lb. 4,076,484	346,420
Sulpha drugs	—	479,107
Sulphur (brimstone)	ton 73,704	1,896,907
Sulphur dioxide	—	50,782
Sunflower seed	lb. 28,726,183	1,655,809
Superphosphate:		
18%	ton 27,691	599,069
20%	ton 277,195	5,763,270
45%	ton 3,840	112,626
Talc	lb. 22,296,938	375,695
Tallow, grease and other soap stock	lb. 107,064,870	9,322,071
Tankage	ton 1,259	35,011
Tar:		
Coal, crude	gal. 31,968,747	4,029,215
Water gas, crude	gal. 579,097	69,317
Tetryl	lb. 18,600	16,346
Titanium dioxide pigments, extended	lb. 21,664,105	1,958,767
Titanium dioxide,	lb. 12,035,579	2,629,818
Toluol	lb. 10,154,025	452,049
Trichlorethylene	lb. 75,613	8,508
Trinitrotoluol (T.N.T.)	lb. 441,500	57,471
Turpentine	gal. 309,664	206,840
Urea crystals	lb. 2,210,740	132,979
Varnishes	gal. 687,054	1,311,355
Vitamins (A,B,C and D)	—	1,151,625
Wax:		
Beeswax	lb. 266,415	145,627
Candelilla	lb. 114,556	75,754
Carnauba	lb. 1,601,487	1,402,205
Ouricury	lb. 68,493	51,957
Paraffin	lb. 9,335,968	701,865
Synthetic	lb. 40,256	21,059
Other	lb. 8,113,489	680,234
Wood:		
Blocks and splints	—	786,207
Flour	lb. 1,873,943	44,379
Hardwood for distillation	cord 27,471	324,082
Pulp	lb. 12,744,304	901,678
Xyiol	gal. 428,830	211,717
Yarns	lb. 916,136	457,337
Zinc chloride	lb. 19,695	1,571
Zinc chromate	lb. 203,455	55,973
Zinc dross	lb. 148,732	8,886
Zinc oxide:		
Pure	lb. 4,508,762	671,979
Leaded	lb. 2,141,333	334,432
Zinc spelter	lb. 11,843,716	1,242,196
Zinc stearate	lb. 20,024	9,496
Zinc sulphate	lb. 231,252	15,385
Containers and packing material	—	34,059,808
All other materials	—	46,258,020
<b>Total</b>		<b>280,008,945</b>



TABLE 7. Alphabetical List of Products Made in the Industries in the Chemicals and Allied Products Group, 1949

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

Item	Quantity	Selling value at works
		\$
Acetaldehyde .....		.
Acetic anhydride .....		.
Acetone .....		.
Acetylene black .....		.
Acetylene:		
In cylinders .....	cu. ft. 120,831,500	3,420,827
Other .....		.
Acid:		
Acetic, glacial, 99% .....		.
Cresylic .....		.
Fatty, other .....	lb. 4,539,617	523,025
Hydrochloric (muriatic):		
Commercial .....		.
C.P. ....		.
Hydrofluosillicic .....		.
Monochloro acetic .....		.
Nitric:		
Commercial .....		.
C.P. ....		.
Oleic .....		.
Phosphoric .....		.
Stearic .....		.
Sulphuric:		
Commercial (for sale) .....	lb. 1,309,835,622	5,610,742
C.P. ....		.
Aluminum chloride .....		.
Aluminum fluoride .....		.
Aluminum stearate .....		.
Aluminum sulphate .....		.
Ammonia:		
Anhydrous .....	lb. 129,403,051	2,045,990
Aqua .....	lb. 1,521,847	175,240
Ammonia powder .....	lb. 2,045,714	123,788
Ammonium chloride .....		.
Ammonium hydroxide:		
Commercial .....		.
C.P. ....		.
Ammonium nitrate:		
Regular .....		.
Fertilizer compound .....		.
Ammonium phosphate .....		.
Ammonium sulphate .....		.
Ammonium sulphate (milled, screened and bagged only) .....	ton 448	24,817
Amyl acetate .....	-	140,323
Anesthetics .....	-	.
Aniline oil .....	-	.
Anti-freeze preparations .....	gal. 2,685,182	7,673,698
Automobile chemicals (brake fluid, tar remover, etc.) .....	-	1,325,354
Biological preparations .....	-	2,155,563
Boiler compounds .....	-	1,891,582
Bone meal:		
Raw .....	lb. 801,116	35,486
Steamed .....	lb. 2,303,584	75,627
Brewers' grain:		
Dry .....		.
Yeast .....		.
Butyl acetate .....		.
Butyl alcohol .....		.
Butyraldehyde .....		.
Caffeine, anhydrous .....		.
Calcium acetate, grey 80% .....		.
Calcium acid phosphate .....		.
Calcium arsenate .....		.
Calcium carbide .....		.
Calcium chloride .....		.
Calcium cyanamide .....		.
Calcium cyanide .....		.
Calcium naphthenate .....		.
Calcium stearate .....		.
Carbon bisulphide .....		.
Carbon dioxide (in cylinders and solid) .....	lb. 27,619,739	1,873,721
Cellulose film .....		.

TABLE 7. Alphabetical List of Products Made in the Industries in the Chemicals and Allied Products Group, 1949 - continued

Item	Quantity	Selling value at works
		\$
Cement:		
Linoleum..... gal.	344,450	220,930
Rubber..... gal.	142,382	141,632
Other..... lb.	4,335,726	757,770
Cerium.....		.
Charcoal..... ton	12,805	562,787
Chloride of lime..... lb.	2,973,599	151,532
Chlorine:		
Gas..... lb.	188,776	3,997
Liquid (for sale)..... lb.	133,919,852	2,590,848
Chloroform.....		.
Cleaners:		
Drain pipe, toilet flush..... lb.	3,112,873	360,559
Hand..... lb.	3,274,019	437,062
Glass..... lb.	—	197,347
Cleaning and scouring powder and paste..... lb.	24,241,067	2,361,181
Cleaning preparations, other.....	—	1,300,485
Cobalt naphthenate.....		.
Coke, pitch.....		.
Colours:		
Butter, cheese, etc. ....	—	74,148
Dry..... lb.	4,261,705	1,819,443
In oils and japans..... lb.	256,250	150,249
Copper naphthenate.....		.
Cresol.....		.
Cryolite, recovered.....		.
D. D. T. ....	—	964,806
Dental chemicals and supplies.....	—	119,956
Dentifrices, liquid, powder and paste.....	—	4,830,023
Detergents, synthetic:		
Synthetic organic detergents (not in combination with soap or other detergents)..... lb.	23,972,789	4,977,004
Synthetic organic detergents (in combination with alkaline detergents)..... lb.	10,287,144	2,482,866
Alkaline detergents..... lb.	2,963,337	324,510
Dextrines.....		.
Dibutyl phthalate..... lb.	326,879	92,848
Dichloroethyl ether.....		.
Dichlorophenol.....		.
Dicyandiamide.....		.
Disinfectants.....	—	750,072
Deodorants (personal).....	—	882,536
Dressings and finishes, leather, except polish.....	—	903,398
Dyes:		
Blended and packaged only.....	—	2,583,602
Leather.....	—	45,935
Embalming fluid.....	—	182,701
Enamels, ready mixed, oil and synthetic type..... gal.	5,410,777	22,201,116
Ethyl acetate.....		.
Ethylene dichloride.....		.
Explosives and ammunition.....		.
Ferric chloride.....		.
Ferrophosphorus.....		.
Fertilizers, mixed..... ton	656,668	24,535,054
Fireworks and pyrotechnics.....	—	380,895
Flavouring extracts.....	—	668,766
Flaxseed, ground..... ton	104	24,121
Flour bleaching compound.....		.
Glue:		
Bone and hide..... lb.	7,026,432	1,625,268
Casein..... lb.	505,011	140,441
Fish..... lb.	890,445	372,189
Flexible..... lb.	1,402,606	313,728
Soya bean..... lb.	7,329,736	93,776
Synthetic resin..... lb.	7,329,736	770,817
Vegetable, dry..... lb.	2,370,582	239,556
Vegetable, liquid..... lb.	17,956,294	1,483,286
Other..... lb.	228,811	45,087
Glycerine:		
Crude..... lb.	1,875,651	354,886
Refined..... lb.	11,794,054	3,476,657
Glycols:		
Ethylene.....		.
Diethylene.....		.
Triethylene.....		.
Grease..... lb.	2,202,880	125,990
Guanidine nitrate.....		.

TABLE 7. Alphabetical List of Products Made in the Industries in the Chemicals and Allied Products Group, 1949 - continued

Item	Quantity	Selling value at works
		\$
Hydrogen .....	cu. ft. 88,790,070	318,132
Hydrogen chloride, anhydrous.....		.
Hydrogen peroxide, liquid .....		.
Industrial oils and greases, including lubricating oils.....	-	404,291
Inks:		
Newspaper .....	lb. 11,622,985	1,078,480
Letterpress .....	lb. 4,493,923	3,110,093
Lithographing .....	lb. 4,236,346	3,050,106
Stamping.....	lb. 26,650	41,083
Other printing .....	lb. 1,214,272	348,285
Writing:		
Liquid.....	lb. 878,057	309,704
Powder and pellets.....	lb. 7,602	7,103
Insecticides:		
Agricultural dust and spray.....	-	1,797,295
Fly spray .....	-	111,463
Gopher poison .....	-	53,188
Moth repellent .....	-	519,246
Rat and mouse poison .....	-	101,413
Other household .....	-	213,064
Livestock spray and powder.....	-	416,632
Javel water:		
Under 12% .....	-	2,982,746
12% and over .....	-	1,471,056
Lacquers, cellulose:		
Clear.....	gal. 1,132,066	2,754,604
Pigmented .....	gal. 647,864	2,616,489
Lead acetate .....		.
Lead arsenate .....		.
Lead naphthenate .....		.
Lead oxide:		
Red .....		.
Litharge .....		.
Lead, white:		
Dry .....		.
Ground in oil.....		.
Lecithen.....		.
Lighter fluid .....	-	127,693
Lime, unhydrated .....	gal. 507,995	104,417
Lime-sulphur solution .....	lb. 753,961	56,997
Lye.....		.
Magnesium stearate .....		.
Manganese naphthenate .....		.
Matches:		
In books .....	No. of books 372,846,885	1,238,367
Other.....	No. of cases 676,802	2,840,295
Medicinals:		
Standard .....	-	6,762,066
Specialties, registered as patent medicines .....	-	13,083,343
Specialties, with ingredients declared .....	-	24,045,383
Metal soap pads, impregnated.....		.
Methyl hydrate:		
Refined.....		.
Crude .....		.
Mucilage .....	-	102,902
Muriate of potash (fertilizer):		
Milled, screened and bagged only .....	ton 2,084	125,455
Naphthalene .....		.
Nickel salts .....		.
Nitrogen .....		.
Nitrous oxide.....		.
Oil, sulphonated:		
Castor.....	lb. 1,159,100	200,239
Cocoonut .....	lb. 91,527	17,500
Cod .....	lb. 731,710	99,684
Neat's Foot .....	lb. 401,298	76,160
Other blends .....	lb. 4,738,395	697,651



TABLE 7. Alphabetical List of Products Made in the Industries in the Chemicals and Allied Products Group, 1949—continued

Item	Quantity	Selling value at works
		\$
<b>Oil:</b>		
Castor, dehydrated .....	gal. 107,878	286,543
Cocanut.....		.
Core.....		.
Creosote .....	gal. 12,556,889	2,998,378
Lard.....	lb. 1,326,767	202,127
Linseed:		
Boiled.....	gal. 1,463,475	3,103,897
Special .....	gal. 3,119,037	6,037,588
Linseed, raw (sold as such) .....	gal. 5,847,077	10,724,008
Mustard seed .....		.
Neat's foot, cold pressed .....		.
Rapeseed .....		.
Soya bean .....	ton 22,101	7,062,269
Sperm.....		.
Stand, blown and enamel .....	gal. 94,890	114,909
Sun flower.....		.
Other.....	—	327,044
<b>Oilcake and oil cake meal:</b>		
Cocanut.....		.
Linseed.....	ton 78,442	5,236,506
Mustard seed .....		.
Rapeseed .....		.
Soya bean .....	ton 99,795	6,975,786
Sun flower.....		.
<b>Oxygen:</b>		
In cylinders (for delivery by pipeline).....	cu. ft. 657,134,873	5,567,476
Liquid .....		.
<b>Paint:</b>		
Cement paints .....	—	43,471
Paste paints (not including water-paste paints).....	lb. 5,156,649	1,032,436
Water-thinned paints:		
Resin emulsion paints, paste and semi-paste form:		
Interior .....	Imp. gal. 801,172	2,301,368
Exterior.....	Imp. gal. 7,923	22,932
Cold water paints:		
Interior, casein and protein bound:		
Dry and semi-paste form.....	Imp. gal. 39,738	74,078
Dry powder form.....	lb. 3,695,479	429,659
Glue bound .....	lb. 665,258	45,617
Exterior:		
Casein and protein bound.....	lb. 133,132	19,611
Lime or cement bound.....	lb. 1,080,017	125,189
Texture-type water paints .....	lb. 2,055,440	164,977
Calcimines:		
Hot water .....	lb. 2,428,660	127,127
Cold water .....	lb. 1,057,960	78,551
Ready mixed paints.....	gal. 9,541,205	33,558,799
Paint and varnish remover .....	gal. 121,566	335,359
Paraldehyde .....		.
Parathion .....		.
<b>Paste:</b>		
Dry powder .....	—	412,302
Liquid .....	lb. 1,608,686	84,822
Penicillin.....	Billion units 1,396	1,570,810
Penicillin preparations.....	—	3,635,645
Pentazol acetate .....		.
Perchloroethylene .....		.
Phenol.....		.
Phenothiazine .....		.
<b>Phosphorus:</b>		
Amorphous .....		.
Yellow.....		.
Phosphorus sequisulphide .....		.
Phthalic anhydride .....		.
<b>Patching material:</b>		
For walls .....	lb. 2,328,838	172,091
For floors .....	lb. 376,378	65,446
Pitch, coal tar .....	ton 92,291	2,489,125
<b>Polish:</b>		
Automobile (including wax) .....	—	364,409
Brass.....	—	61,190
Furniture.....	—	373,872
Shoe and shoe dressing .....	—	1,020,394
Silver.....	—	79,793
Stove .....	—	66,833
Other .....	—	129,334
Polyvinyl alcohol .....		.
Potassium chlorate .....		.



TABLE 7. Alphabetical List of Products Made in the Industries in the Chemicals and Allied Products Group, 1949—continued

Item	Quantity	Selling value at works
		\$
Powder, dessert.....	lb. 686,965	243,346
Propane gas.....		
Putty.....	lb. 11,480,644	824,919
Railway signal fuses and signal boxes.....		.
Rennet extract.....		.
Resins, synthetic:		.
Alkyd.....		.
Casein.....		.
Phenol-formaldehyde.....		.
Polystyrene.....		.
Urea-formaldehyde.....		.
Vinyl acetate.....		.
Vinyl chloride.....		.
Rollers, printers'.....	—	504,194
Roofing and paving specialties.....	—	339,860
Rust preventatives.....	—	343,877
Sex hormones.....	—	1,529,312
Size, rosin.....	lb. 13,920,320	860,982
Soap:		
Castile:		
Boiled.....	lb. 500,244	60,037
Cold pressed.....	lb. 905,265	160,826
Chips and flakes:		
Household packages.....	lb. 17,736,647	3,379,695
Bulk.....	lb. 14,145,399	1,732,648
Laundry, bar:		
Household:		
White.....	lb. 12,445,025	1,472,329
Yellow.....	lb. 19,289,669	3,029,891
Liquid.....	lb. 9,626,245	1,199,411
Polishing and scouring.....	lb. 569,829	59,552
Powder:		
Household packages.....	lb. 84,630,257	12,712,642
Bulk.....	lb. 7,370,348	855,044
Shaving cream:		
Lather.....	lb. 899,573	1,079,493
Brushless.....	lb. 228,842	244,700
Other.....	lb. 298,637	327,240
Soft, paste and jelly.....	lb. 1,792,971	205,810
Textile and mill.....	lb. 2,548,642	359,577
Toilet, bar.....	lb. 36,779,878	10,729,568
Other, hard.....	lb. 1,530,723	161,519
Other.....	lb. 1,910,266	194,108
Sodium acid pyrophosphate.....		.
Sodium arsenate.....		.
Sodium arsenite.....		.
Sodium azide.....		.
Sodium benzoate.....		.
Sodium carbonate:		.
Soda ash.....	lb. 4,764,215	119,042
Sal soda.....		.
Sodium chlorate.....		.
Sodium cyanide.....		.
Sodium fluoride.....		.
Sodium hydrosulphide.....		.
Sodium hydroxide (caustic soda).....		.
Sodium hypochlorite.....		.
Sodium nitrate fertilizer (milled, screened and bagged only).....	ton 23	1,898
Sodium (di) phosphate.....		.
Sodium (mono) phosphate.....		.
Sodium (tetra) phosphate, anhydrous.....		.
Sodium (tri) phosphate.....		.
Sodium metabisulphite.....		.
Sodium silicate.....		.
Sodium stearate.....		.
Sodium sulphate (saltcake).....		.
Sodium sulphamethazine.....		.
Sodium sulphite, anhydrous.....		.
Sodium thiosulphite.....		.
Sodium tripolyphosphate.....		.
Soldering flux.....	—	101,451
Soya bean flour.....	ton 202	23,004
Sponges, cellulose.....		.
Stains (oil spirit varnish etc.).....	gal. 471,524	1,170,837
Starches, blended.....		.
Stearine.....		.
Streptomycin.....		.
Streptomycin preparations.....	—	283,645
Sulphur dioxide, liquid.....		.

TABLE 7. Alphabetical List of Products Made in the Industries in the Chemicals and Allied Products Group, 1949 - concluded

Item	Quantity	Selling value at works
		\$
Superphosphate fertilizer:		*
Actually made.....		*
Milled, screened and bagged only .....	ton 10,869	318,715
Sweeping compounds .....	-	343,937
Tallow .....		*
Tankage.....	ton 2,710	138,825
Tanners' bate .....		*
Tar, refined.....	gal. 3,542,989	538,458
Textile and leather finishes.....		1,583,150
Thinners, for lacquers, paints and enamels .....	gal. 1,574,315	1,996,794
Toilet preparations .....		20,262,523
Trichlorethylene, crude.....		*
Turpentine.....		*
Vanillin .....		*
Varnishes (Japans, shellac, etc.) .....	gal. 3,612,794	7,860,166
Veterinary medicines.....		767,960
Vinyl acetate .....		*
Vitamins .....		7,193,295
Washing blue.....		*
Washing compounds, other .....	lb. -	272,826
Wax, floor:		
Paste .....	lb. 7,553,753	2,472,823
Liquid .....	gal. 600,572	1,341,047
Self polishing .....	gal. 1,265,235	3,566,736
Wax, sealing .....		*
Wax compounds, other.....	-	260,568
Weed killer .....	-	1,425,199
Welding compounds .....		*
Wood preservative .....	-	317,557
Zinc chloride .....		*
Zinc naphthenate .....		*
Zinc oxide.....		*
Zinc stearate .....		*
Zinc, white, in oil.....		*
All other products .....	-	53,160,040
Products reported by only one or two firms in this group (marked * above) .....	-	155,994,789
<b>Total .....</b>	<b>-</b>	<b>587,398,215</b>



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