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**CHEMICALS BRANCH**  
<sup>3</sup>  
**SPECIAL PROJECTS DIVISION**  
**STATISTICAL REVIEW**  
**1977**



Government  
of Canada  
*Dept. of*  
Industry, Trade  
and Commerce

Gouvernement  
du Canada

Industrie  
et Commerce

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1976 - 1977

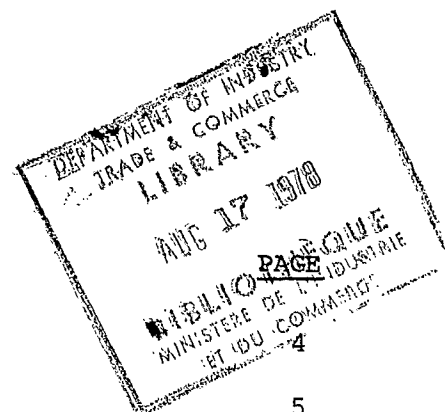


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CHEMICAL & CHEMICAL PRODUCTS  
Estimated Value of Shipments

<u>DESCRIPTION</u>	CALENDAR YEAR	CALENDAR YEAR	% <u>CHANGE</u>
	1976 \$'000	1977 (p) \$'000	
Mixed Fertilizers	160,585	209,435	30.4
Plastics & Synthetic Resins	558,701	641,429	14.8
Pharmaceuticals & Medicines	739,647	822,570	11.2
Paint & Varnish	536,069	577,342	7.7
Soap & Cleaning Compounds	470,375	526,966	12.0
Toilet Preparations	319,177	350,061	9.7
Industrial Chemicals	2,138,998	2,320,265	8.5
Printing Inks	78,337	80,795	3.1
Other Chemicals	<u>831,459</u>	<u>947,707</u>	14.0
TOTAL	5,833,348	6,476,570	11.0

SOURCE: Statistics Canada, Catalogue 31-001, "Inventories, Shipments and Orders in Manufacturing Industries".

(p) Preliminary

TABLE I

CHEMICAL SHIPMENTS

PRODUCTION OF SPECIFIED CHEMICALS

<u>DESCRIPTION</u>	<u>UNIT OF QUANTITY</u>	<u>CALENDAR YEAR 1976</u>	<u>CALENDAR YEAR 1977</u>	<u>% CHANGE</u>
Acetylene	M. cu. ft.	264,540	255,750	- 3.3
Oxygen Gas and Liquid	M. cu. ft.	3,806,530	4,295,546	+ 12.8
Benzol (Benzene)	Bbl.	2,590,927	2,741,053	+ 5.8
Hydrochloric (Muriatic Acid as 100%)	Ton	120,672	150,155	+ 24.4
Sulphuric Acid. All grades including Oleum. as 100%	Ton	3,133,244	3,461,632	+ 10.5
Ammonia, Anhydrous, 100%	Ton	1,530,517	2,365,080	+ 54.5
Ammonium Nitrate (all grades)	Ton	1,025,950	1,019,424	- 0.6
Ammonium Nitrate Phosphate (all grades)	Ton	*	168,660	-
Ammonium Phosphate (all grades)	Ton	1,069,394	1,264,658	+ 18.3
Ammonium Sulphate	Ton	*	*	
Chlorine	Ton	990,245	979,209	- 1.1
Ethylene	Ton	560,913	625,340	+ 11.5
Fertilizers, Mixed	Ton	836,889	766,511	- 8.4
Formaldehyde, 100% Solid Basis	Ton	67,269	73,040	+ 8.6
Sodium Chlorate	Ton	152,234	178,106	+ 17.0
Sodium Hydroxide (Caustic Soda) (as 100% NaOH)	Ton	1,016,423	987,956	- 2.8
Urea (all grades)	Ton	383,020	886,987	+131.6

x Confidential to Meet Secrecy Requirements of the Statistics Act

r Revised Figures

SOURCE: Statistics Canada, Catalogue 46-002, "Specified Chemicals".

TABLE II

CHEMICAL PRODUCTION

FACTORY SHIPMENTS  
SYNTHETIC RESINS (ACTUALLY MADE AS SUCH) <sup>(1)</sup>

<u>PRODUCT</u>	<u>Unit of Quantity</u> '000	<u>Calendar Year</u> 1976 (r)	<u>Calendar Year</u> 1977	<u>% Change</u>
Polyethylene Type	Lb.	663,389	760,687	+ 14.7
Polystyrene Type	Lb.	167,403	187,766	+ 12.2
Vinyl Chloride Type	Lb.	213,267 <sup>r</sup>	219,795	+ 3.1
Polyesters, Unsaturated	Lb.	40,452	46,098	+ 14.0

(1) Figures include gross weight of forms derived from raw resin, as well as resin sold as such, reported by primary resin producers.

(r) Revised figures.

SOURCE: Statistics Canada, Catalogue 46-002, "Specified Chemicals".

TABLE III

SYNTHETIC RESIN SHIPMENTS

INDEX OF REAL DOMESTIC PRODUCT - CHEMICAL AND CHEMICAL  
PRODUCTS INDUSTRIES  
1971=100  
BY QUARTERS 1977

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	<u>SEASONALLY ADJUSTED</u>				<u>WITHOUT SEASONAL ADJUSTMENT</u>			
	I	II	III	IV	I	II	III	IV
Chemical & Chemical Products	142.1	149.0	150.7	149.3	143.4	156.7	143.1	147.7
Manufacturers of Pharma- ceuticals & Medicines	143.9	147.1	149.7	151.4	150.6	147.7	140.5	153.6
Paint & Varnish	137.3	138.9	135.3	139.1	123.6	168.4	143.4	114.4
Soaps & Cleaning Compounds	149.0	148.0	147.4	137.6	153.0	157.7	134.2	136.8
Industrial Chemicals	151.9	166.5	172.4	171.3	156.8	172.0	160.6	172.0

SOURCE: Statistics Canada, Catalogue 61-005,  
"Index of Real Domestic Product by Industry".

TABLE IV

INDEX REAL DOMESTIC PRODUCT



TRADE IN CHEMICALS & CHEMICAL PRODUCTS

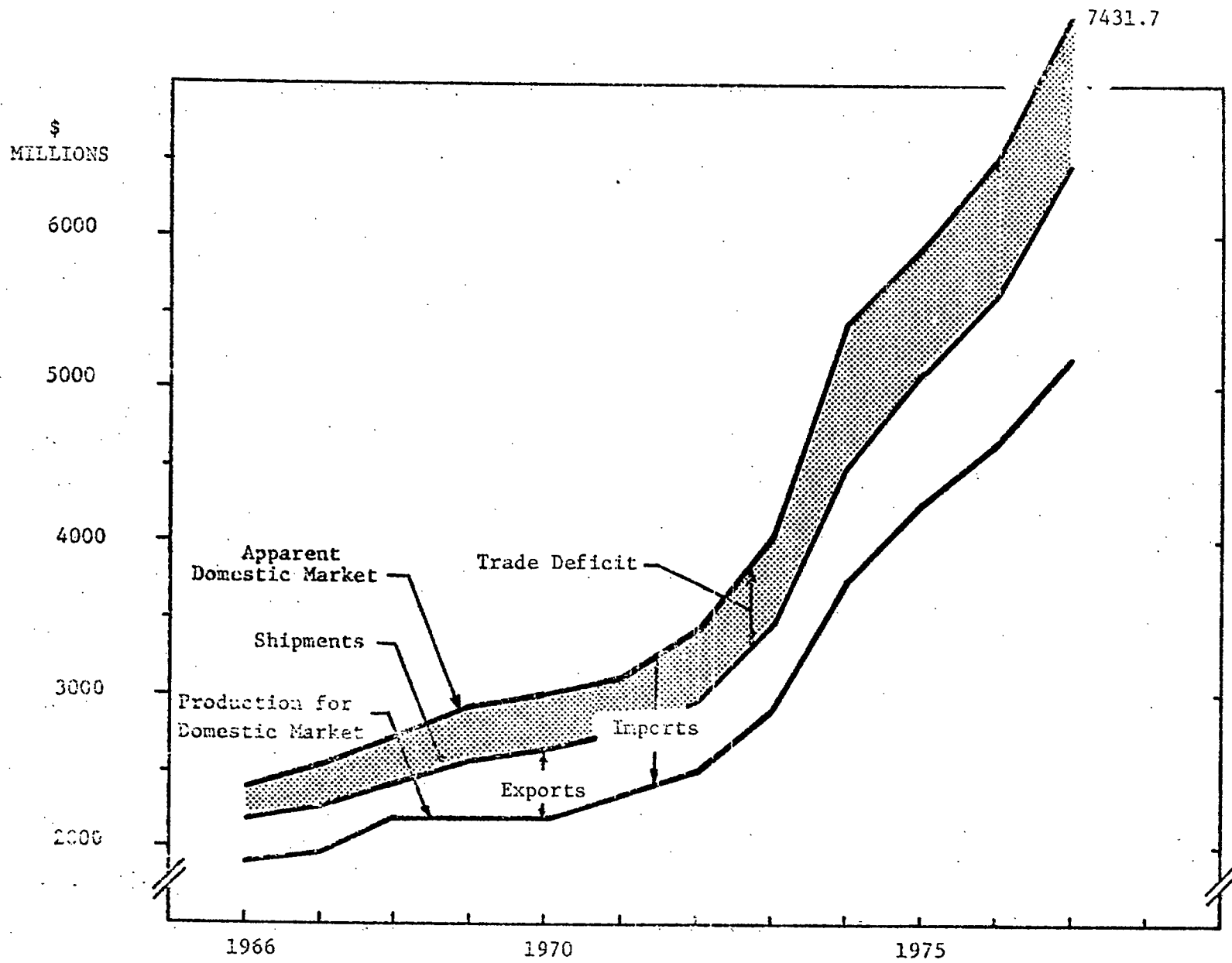


CHART I

IMPORTS OF CHEMICAL AND CHEMICAL PRODUCTS BY SUB-GROUP

<u>DESCRIPTION</u>		CALENDAR YEAR	CALENDAR YEAR	% CHANGE
		1976	1977	
		\$'000	\$'000	
Mixed Fertilizers	SIC 372	16,769	18,732	11.7
Plastics and Synthetic Resins	SIC 373	393,064	479,097	21.9
Pharmaceutical & Medicines	SIC 374	176,446	224,319	27.1
Paint and Varnish	SIC 375	52,734	64,323	22.0
Soaps and Cleaning Compounds	SIC 376	26,565	31,548	18.8
Toilet Preparations	SIC 377	31,863	39,875	25.0
<u>Industrial Chemicals</u>	SIC 378			
Pigments and Dry Colors	SIC 3781	77,825	86,463	11.1
Inorganic Chemicals	SIC 3782	203,322	255,498	25.7
Fertilizer Chemicals	SIC 3782	40,642	48,079	18.3
Organic Chemicals	SIC 3783	<u>402,350</u>	<u>485,817</u>	20.7
SIC 378 TOTAL		724,139	875,857	21.0
<u>Other Chemicals</u>	SIC 379			
Oils, Fats and Waxes		58,059	62,796	8.2
Agriculture Chemicals Formulated		89,646	101,112	12.8
Adhesives		15,912	16,272	2.3
Industrial Chemical Specialties		<u>258,348</u>	<u>297,462</u>	15.1
Inks		7,873	9,076	15.3
Explosives and Ammunition		<u>17,014</u>	<u>18,798</u>	10.5
SIC 379 TOTAL		446,852	505,516	13.1
Chemical and Chemical Products TOTAL		1,868,432	2,239,267	19.8

SOURCE: Statistics Canada, Catalogue 65-007,  
"Imports by Commodities".

IMPORTS OF CHEMICAL & CHEMICAL PRODUCTS  
BY CLASS AND COUNTRY

\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>MIXED FERTILIZERS SIC 372</u>									
416-89	Prepared fertilizer mixtures	10,017	9,688	170	51	81	23	-	5
416-99	Fertilizers and fertilizer materials, n.e.s.	8,715	8,585	39	3	-	64	-	25
	TOTAL	18,732	18,273	209	54	81	87	-	30

TABLE VI

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>PLASTICS &amp; SYNTHETIC RESINS SIC 373</u>									
423-02	Phenol-formaldehyde resins	5,104	4,774	8	298	-	23	-	-
423-04	Melamine-formaldehyde resins	2,597	2,131	12	148	-	87	-	220
423-09	Urea-aldehyde resins	3,632	2,261	804	494	-	-	-	74
423-11	Polycarbonate resins	9,026	9,006	-	19	-	-	-	-
423-13	Polyester resins, (alkyd & allyl)	25,092	19,273	5,676	127	3	12	-	-
423-15	Polyamide resins	10,328	8,206	65	1,614	205	237	-	-
423-18	Polyurethane resins	14,144	13,273	104	370	3	-	-	395
423-20	Epoxy resins	7,237	7,098	45	79	9	-	-	6
423-23	Silicone resins	10,865	10,578	170	106	4	1	-	6
423-26	Ion-exchange resins	4,030	3,666	83	281	-	-	-	-
423-29	Resins from condensation etc., n.e.s.	22,978	22,379	198	366	33	-	-	3
423-31	Acrylic resins	19,048	15,838	1,986	1,142	2	3	27	50
423-33	Polyethylene resins	75,154	71,200	255	3,287	1	312	-	98

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>PLASTICS &amp; SYNTHETIC RESINS (Cont.)</u>									
423-35	Acrylonitrile-butadiene-styrene (ABS) resins	7,888	7,219	67	451	-	106	-	46
423-37	Polystyrene resins, n.e.s.	19,466	19,209	97	148	-	12	-	-
423-41	Vinylidene resins	3,714	2,508	-	1,205	-	-	-	-
423-44	Vinyl chloride resins	33,653	29,263	11	2,336	-	25	-	2,017
423-45	Polyvinyl acetate resin	3,891	3,472	52	356	-	11	-	-
423-49	Vinyl resins, n.e.s.	8,288	5,583	46	441	-	2,211	-	6
423-51	Coumarone-indene resins	462	462	-	-	-	-	-	-
423-53	Polypropylene resins	45,616	26,042	17,819	1,357	26	227	-	144
423-55	Resins from polymerization & copolymerization n.e.s.	21,881	19,374	826	1,460	-	191	-	29
423-58	Synthetic resins derived from natural resins and tall oil	4,480	4,129	-	298	53	-	-	-
423-59	Synthetic resin scrap and waste	3,010	2,613	86	145	-	-	-	167

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>PLASTICS &amp; SYNTHETIC RESINS (Cont.)</u>									
423-62	Cellulose nitrate, except explosive grades	4,229	3,652	35	368	-	2	-	173
423-64	Cellulose acetate	1,590	1,533	-	58	-	-	-	-
423-66	Cellulose acetate butyrate	2,348	2,266	-	48	-	-	-	34
423-89	Cellulose plastics n.e.s. including cellulose plastic scrap and waste	9,244	7,583	260	337	-	48	-	1,015
423-99	Plastic materials, not shaped, n.e.s.	2,878	2,155	383	251	-	-	-	88
424-65	Cellulose acetate film & sheet	13,404	12,042	1,325	22	14	-	-	-
424-82	Regenerated cellulose film and sheet	3,011	2,672	239	99	-	-	-	-
424-87	Vulcanized fibre in rolls or sheet	532	501	-	-	31	1	-	-
424-89	Cellulosic film & sheet n.e.s.	1,755	1,733	3	18	-	-	-	-
422-10	Latex synthetic crude, all types	11,197	10,306	38	775	-	79	-	-
422-50	Synthetic rubber except latex	67,325	50,031	1,117	8,905	443	6,474	-	355
<u>PLASTICS &amp; SYNTHETIC RESINS TOTAL</u>		<u>479,097</u>	<u>404,031</u>	<u>31,810</u>	<u>27,409</u>	<u>827</u>	<u>10,061</u>	<u>27</u>	<u>4,926</u>

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>PHARMACEUTICALS &amp; MEDICINES SIC 374</u>									
206-99	Animal materials used in drugs	1,673	1,115	-	531	-	-	-	28
214-99	Crude drugs, herbs & plant parts for medicines, etc.	2,457	838	42	350	69	-	-	1,161
871-20	Blood & blood fractions	8,057	7,000	1	611	3	-	112	330
871-34	Cortical hormones	7,893	3,360	1,136	382	354	-	80	2,580
871-60	Sex hormones	2,728	1,579	116	219	188	-	21	605
871-65	Bacteriological products (sera vaccines) for human use, n.e.s.	8,235	6,925	408	218	-	-	-	684
871-99	Biological products for human use, n.e.s.	7,449	5,708	96	914	93	14	26	597
872-23	Penicillin	12,366	5,254	1,100	2,280	-	-	1,665	2,067
872-51	Streptomycin & dihydro-streptomycin	456	230	204	22	-	-	-	-
872-99	Antibiotics, n.e.s.	23,490	6,584	5,644	4,214	477	10	-	6,560
874-05	Ascorbic acid (Vitamin C) and salts	4,938	2,816	-	797	1,283	42	-	-
874-22	Niacin (nicotinic acid) and niacinamide (nicotinamide)	771	293	-	46	431	-	-	-

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>PHARMACEUTICALS &amp; MEDICINES (Cont.)</u>									
874-25	Riboflavin, Vitamin B2	1,529	481	9	301	620	118	-	-
874-35	Vitamin A	869	455	36	294	84	-	-	-
874-48	Vitamin B12	405	175	4	162	-	-	-	64
874-55	Vitamin E, tocopherol	3,775	2,619	665	449	41	-	-	-
874-99	Vitamins & preparations, n.e.s.	7,649	4,726	146	560	1,421	402	-	393
878-12	Veterinary biological products (sera vaccine)	3,973	3,623	254	7	-	-	-	88
878-14	Veterinary antibiotic preparations	3,877	3,362	130	295	-	63	-	28
878-49	Veterinary medicines, n.e.s.	6,025	5,610	125	157	25	-	6	102
878-89	Antibiotic & vitamin feed supplements	10,685	2,565	1,598	2,650	3,053	72	12	734
878-99	Other veterinary medicines for use in feed supplements	5,792	4,106	837	311	34	94	-	409

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000



Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>PHARMACEUTICALS &amp; MEDICINES (Cont.)</u>									
879-30	Narcotics	7,320	543	4,511	377	2	-	-	1,888
879-50	Sulphonamides & their salts	5,705	2,627	75	1,552	982	29	-	440
879-60	Barbiturates and amphetamines	572	381	79	74	37	-	-	-
879-72	Caffeine and salts	985	153	-	498	-	335	-	-
879-91	Fish liver & visceral oils, pharmaceutical grade	367	19	158	-	-	-	-	191
879-93	Papain	228	221	2	-	-	-	-	5
879-99	Medicinal & pharmaceutical products, n.e.s.	84,050	30,540	9,016	10,197	28,516	80	108	5,593
<u>PHARMACEUTICALS &amp; MEDICINES TOTAL</u>		<u>224,319</u>	<u>103,908</u>	<u>26,392</u>	<u>28,468</u>	<u>37,713</u>	<u>1,259</u>	<u>2,030</u>	<u>24,547</u>

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>PAINT &amp; VARNISH SIC 375</u>									
428-16	Paste paints including white lead & paint colour in oil	2,320	2,236	6	42	-	-	-	36
428-29	Paints, n.e.s.	25,009	24,548	165	237	7	4	-	46
428-33	Ceramic, enamelling & glass paints	5,003	4,017	910	76	-	-	-	1
428-37	Special purpose paints, n.e.s.	1,806	1,765	5	29	7	-	-	-
428-40	Varnishes & prepared shellacs	3,304	3,143	26	101	18	-	-	14
428-59	Lacquers	5,676	5,574	18	70	4	-	-	11
428-99	Stains, thinners, fillers & related products, n.e.s.	21,205	17,561	855	1,678	25	46	-	1,039
<u>PAINT &amp; VARNISH TOTAL</u>		<u>64,323</u>	<u>58,844</u>	<u>1,985</u>	<u>2,233</u>	<u>61</u>	<u>50</u>	<u>-</u>	<u>1,147</u>

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>SOAP &amp; CLEANING COMPOUNDS SIC 376</u>									
429-48	Glycerin crude	2,067	2,067	-	-	-	-	-	-
429-49	Glycerin refined	1,797	1,797	-	-	-	-	-	-
800-61	Toilet soap	2,774	1,625	538	422	17	14	1	160
800-63	Soap powders & flakes	534	533	-	1	-	-	-	-
800-65	Liquid soap	662	651	2	-	-	-	7	2
800-67	Soap, n.e.s.	1,375	932	186	177	17	3	-	61
800-68	Detergents, powder or liquid	13,554	13,377	68	78	-	-	-	30
800-73	Washing & cleaning preparations, n.e.s.	8,785	8,508	152	106	5	9	-	5
<u>SOAP &amp; CLEANING COMPOUNDS TOTAL</u>		<u>31,548</u>	<u>29,490</u>	<u>946</u>	<u>784</u>	<u>39</u>	<u>26</u>	<u>8</u>	<u>258</u>
<u>TOILET PREPARATIONS SIC 377</u>									
800-19	Perfumes, toilet waters & colognes	10,425	2,932	228	6,839	30	2	-	396
800-49	Toilet preparations & cosmetics, n.e.s.	29,450	20,890	1,315	6,230	371	276	-	370
<u>TOILET PREPARATIONS TOTAL</u>		<u>39,875</u>	<u>23,822</u>	<u>1,543</u>	<u>13,069</u>	<u>401</u>	<u>278</u>	<u>-</u>	<u>766</u>

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>INDUSTRIAL CHEMICALS SIC 378</u>									
<u>Pigments &amp; Drycolours SIC 3781</u>									
<u>Dyestuffs except dyeing extracts</u>									
426-05	Acid dyestuffs (acid)	9,370	2,949	881	4,067	1,287	68	-	118
426-08	Azoic dyestuffs (azoic)	180	48	-	132	-	-	-	-
426-11	Modified basic dyestuffs (basic)	1,753	615	42	907	190	-	-	-
426-12	Basic dyestuffs, n.e.s.	4,639	1,217	310	2,691	112	-	-	309
426-15	Chrome dyestuffs (chrome)	206	42	15	123	8	2	-	16
426-20	Direct & developed dyestuffs (D. & D.)	4,236	1,603	387	1,191	648	43	6	357
426-21	Dispersed or acetate dyestuffs (dispersed)	10,477	2,404	1,356	5,469	1,237	11	-	-
426-25	Sulphur dyestuffs (sulphur)	1,206	1,159	-	47	-	-	-	-
426-30	Vat dyestuffs including indigo (vat)	3,269	890	249	2,058	68	-	-	3

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>Pigments and Drycolours (Cont.)</u>									
426-40	Oil, spirit & wax dyestuffs (OSW)	2,026	1,533	169	227	92	-	-	5
426-45	Food, drug & cosmetic dyestuffs (FD & C)	1,576	981	496	51	46	2	-	-
426-69	Organic optical brighteners (OB)	4,264	1,253	1,377	1,413	217	-	-	4
426-72	Reactive dyestuffs (reactive)	3,593	195	684	2,265	447	2	-	-
426-99	Dyestuffs, n.e.s. (dyes, n.e.s.)	5,508	3,532	251	1,036	261	401	-	27
SUBTOTAL		52,303	18,421	6,217	21,677	4,613	529	6	839
<u>Pigments, Lakes &amp; Toners</u>									
427-13	Organic orange & yellow pigments	3,327	750	279	1,557	739	1	-	-
427-15	Organic blue & green pigments	4,711	1,570	748	1,958	197	214	-	23
427-18	Organic red & maroon pigments	4,955	2,563	219	1,502	665	6	-	-

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>Pigments and Drycolours (Cont.)</u>									
<u>Pigments, Lakes &amp; Toners (Cont.)</u>									
427-33	Inorganic orange and yellow pigments	1,568	1,349	81	55	3	-	-	81
427-35	Inorganic blue and green pigments	765	369	362	12	-	-	-	22
427-38	Inorganic red and maroon pigments	698	624	71	-	-	-	-	2
427-49	Textile pigments (except spin dyeing colours (TP)	2,199	1,577	30	567	-	14	-	11
427-72	Titanium dioxide, extended	623	354	185	78	6	-	-	-
427-75	Whiting	420	175	52	193	-	-	-	-
427-92	Luminescent, agents for paints, n.e.s. (L.F.P.)	2,193	2,098	31	19	3	42	-	-
427-99	Pigments, colour lakes & toners, n.e.s.	12,701	9,538	1,005	1,692	268	94	-	104
	SUBTOTAL	34,160	20,967	3,063	7,633	1,881	371	-	243
PIGMENTS & DRYCOLOURS TOTAL		86,463	39,388	9,280	29,310	6,494	900	6	1,082

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>									
<u>Inorganic Chemicals SIC 3782</u>									
400-03	Chlorine	2,291	2,274	-	-	-	17	-	-
400-08	Iodine	802	182	1	1	-	618	-	-
400-25	Acetylene black, carbon black, & lamp black	3,087	3,040	20	27	-	-	-	-
400-49	Hydrogen, rare gases & other non-metals	9,908	6,880	20	121	-	987	-	1,899
400-51	Sodium metal	4,900	4,898	2	-	-	-	-	-
400-81	Mercury	135	108	1	-	-	-	-	26
400-99	Chemical elements, n.e.s.	8,808	8,086	343	232	7	4	-	138
401-15	Sulphuric acid, incl. oleum	319	319	-	-	-	-	-	-
401-31	Boric (boracic) acid and boric oxide	2,224	1,235	31	831	14	-	-	113
401-62	Silica gel	5,742	4,807	552	363	-	20	-	-
401-99	Inorganic acids & oxygen compounds, n.e.s.	11,681	10,983	304	394	-	1	-	-

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>									
<u>Inorganic Chemicals (Cont.)</u>									
402-02	Ammonia	3,862	3,279	-	-	-	-	-	583
402-05	Sodium hydroxide (caustic soda liquid)	24,328	19,256	-	5,059	-	11	-	2
402-06	Sodium hydroxide (caustic soda dry)	1,058	625	110	291	-	-	-	32
402-09	Potassium hydroxide (caustic potash)	1,395	1,312	-	35	-	7	-	42
402-12	Sodium & potassium peroxides	-	-	-	-	-	-	-	-
402-19	Strontium, barium & magnesium, oxides hydroxides and peroxides	3,173	3,055	23	83	-	6	-	6
402-21	Zinc oxides and peroxides	1,848	1,518	233	7	-	-	89	-
402-32	Chromium oxides and hydroxides	2,196	1,949	211	36	-	-	-	-
402-40	Iron oxides, natural or synthetic	3,641	2,023	407	1,128	1	-	-	82

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000



Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>									
<u>Inorganic Chemicals (Cont.)</u>									
402-48	Titanium dioxide, pure	4,643	2,817	552	1,274	-	-	-	-
402-57	Lead oxide (litharge), red lead, mineral orange	349	184	18	-	-	-	104	43
402-61	Antimony oxides	2,083	133	1,827	123	-	-	-	-
402-81	Copper oxides & hydroxides	508	319	11	101	-	-	-	76
402-87	Molybdenum oxide & hydroxide	1,221	1,195	-	-	-	-	-	26
402-99	Inorganic bases and metallic oxides, hydroxides & peroxides, n.e.s.	6,532	4,857	564	280	-	582	-	249
403-19	Fluorides & other fluorine salts	3,208	2,539	279	314	-	71	-	4
403-22	Calcium chloride	1,451	1,416	6	30	-	-	-	-
403-36	Chlorides & oxychlorides, n.e.s.	6,421	3,503	1,882	340	-	351	-	344

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>									
<u>Inorganic Chemicals (Cont.)</u>									
403-38	Calcium hypochlorite	5,242	4,477	-	43	-	722	-	-
403-39	Chlorites & hypochlorites, n.e.s.	370	86	-	284	-	-	-	-
403-45	Chlorates & perchlorates	1,474	247	48	302	-	76	-	802
403-54	Sodium sulphide	286	189	93	4	-	-	-	-
403-55	Sodium hydrosulphide (sulphydrate)	453	444	10	-	-	-	-	-
403-56	Dithionites & sulphonylates incl. sodium hydrosulphite	8,166	4,653	1,265	2,247	-	-	-	-
403-58	Sodium sulphite	1,055	517	316	133	-	78	11	-
403-59	Sulphites & thiosulphates, n.e.s.	700	302	176	210	-	-	-	11
403-62	Sodium sulphate (salt cake & Glauber's salt)	1,703	546	511	645	-	-	-	-
403-65	Sodium bisulphate (nitre cake)	663	545	106	11	-	-	-	-
403-71	Zinc sulphate	562	193	113	108	-	-	81	67

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>									
<u>Inorganic Chemicals (Cont.)</u>									
403-73	Aluminum sulphate	268	252	-	16	-	-	-	-
403-79	Copper sulphate	1,315	168	648	325	-	-	-	175
403-80	Chromium sulphates incl. basic	910	766	144	-	-	-	-	-
403-84	Sulphates (incl. alums) & persulphates, n.e.s.	2,511	1,533	294	613	-	15	-	56
403-88	Potassium nitrate (saltpeter)	507	346	-	38	-	-	-	123
403-91	Nitrites & nitrates, n.e.s.	1,525	916	126	218	6	-	-	260
403-95	Sodium phosphate, tribasic	188	186	-	2	-	-	-	-
403-99	Sodium phosphates, n.e.s.	2,691	2,611	2	78	-	-	-	-
404-01	Potassium phosphates	787	771	-	16	-	-	-	-
404-06	Calcium phosphates	4,910	4,910	-	-	-	-	-	-

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>									
<u>Inorganic Chemicals (Cont.)</u>									
404-16	Sodium carbonate, including sal soda	11,482	11,467	12	-	-	-	-	3
404-17	Sodium bicarbonate	2,648	2,489	130	29	-	-	-	-
404-19	Sodium sesquicarbonate	351	351	-	-	-	-	-	-
404-21	Potassium carbonate	325	290	-	36	-	-	-	-
404-27	Barium carbonate	433	6	-	423	-	-	-	4
404-37	Carbonates & percarbonates, n.e.s.	2,943	2,379	330	148	-	-	20	64
404-41	Sodium cyanide	2,864	351	1,916	500	-	96	-	-
404-49	Cyanides & complex cyanides, n.e.s.	981	482	79	347	-	73	-	-
404-50	Sodium silicates, incl. solutions	1,153	1,109	-	44	-	-	-	-
404-56	Potassium silicates	250	159	-	91	-	-	-	-
404-57	Silicates, n.e.s.	758	720	13	26	-	-	-	-
404-58	Sodium borate (borax)	6,115	6,098	5	11	-	-	-	-

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>									
<u>Inorganic Chemicals (Cont.)</u>									
404-66	Sodium bichromate	3,340	2,804	56	179	-	12	-	290
404-79	Chromates, permanganates, stannates & similar salts, n.e.s.	1,786	1,436	237	48	-	-	-	64
404-99	Metallic salts & peroxy-salts of inorganic acids, n.e.s.	5,741	4,668	604	412	-	14	-	43
405-09	Halogen & sulphur compounds of non-metals	2,298	2,075	106	96	-	22	-	-
405-21	Radium & compounds	85	85	-	-	-	-	-	-
405-32	Radioactive elements and isotopes, n.e.s.	40,684	28,395	149	1,809	5	1	-	10,326
405-99	Other inorganic chemicals, n.e.s.	9,698	8,087	300	304	-	2	-	1,007
410-52	Tricresyl phosphates	619	41	579	-	-	-	-	-
410-99	Inorganic esters, salts & deriv., n.e.s.	6,844	3,082	357	105	15	3,281	-	3
<u>INORGANIC CHEMICALS SUB-TOTAL</u>		<u>255,498</u>	<u>194,024</u>	<u>16,122</u>	<u>20,971</u>	<u>48</u>	<u>7,067</u>	<u>305</u>	<u>16,963</u>

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>									
<u>Fertilizer Chemicals SIC 3782</u>									
416-31	Urea	7,664	7,120	-	4	-	-	-	541
416-33	Sodium nitrate	3,224	1,585	9	41	-	-	-	1,589
416-39	Nitrogen solutions	632	632	-	-	-	-	-	-
416-48	Ammonium sulphate	1,761	1,640	6	115	-	-	-	-
416-49	Nitrogenous fertilizers, mineral or chem., n.e.s.	1,104	1,095	-	-	-	-	-	9
416-54	Superphosphate 22% or less, phosphoric acid	50	50	-	-	-	-	-	-
416-55	Superphosphate, more than 22% phosphoric acid	2,230	2,230	-	-	-	-	-	-
416-58	Phosphatic fertilizers, n.e.s.	25,024	24,836	-	106	-	-	-	83
416-66	Potassium sulphate	1,232	1,229	-	-	-	-	3	-
416-69	Potassic fertilizers, n.e.s.	5,158	5,158	-	-	-	-	-	-
<b>FERTILIZER CHEMICALS TOTAL</b>		<b>48,079</b>	<b>45,575</b>	<b>15</b>	<b>265</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>2,222</b>

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>									
<u>Organic Chemicals SIC 3783</u>									
406-07	Butylenes	5,869	5,869	-	-	-	-	-	-
406-09	Butadiene	16,348	16,219	-	-	-	129	-	-
406-10	Isoprene	1,326	1,326	-	-	-	-	-	-
406-21	Benzol (Benzene)	812	812	-	-	-	-	-	-
406-22	Toluol (Toluene)	2,651	110	-	-	-	2,541	-	-
406-23	Xylof (Xylene)	1,369	1,346	22	-	-	-	-	-
406-33	Hydrocarbons, n.e.s.	16,922	16,040	857	26	-	-	-	-
406-35	Methyl chloride	1,482	1,257	-	225	-	-	-	-
406-40	Ethylene bromide	2,813	2,813	-	-	-	-	-	-
406-42	Chloroform	1,298	687	12	599	-	-	-	-
406-53	Trichlorethylene	82	81	-	1	-	-	-	-
406-59	Chlorofluorohydrocarbons, n.e.s.	1,999	1,868	120	-	-	-	-	11
406-64	Chlorobenzene, mono-ortho-di, meta-di, para-di	1,625	1,354	-	271	-	-	-	-

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>									
<u>Organic Chemicals (Cont.)</u>									
406-83	Aldrin, technical	-	-	-	-	-	-	-	-
406-87	D.D.T. technical	-	-	-	-	-	-	-	-
406-99	Derivatives of hydrocarbons, n.e.s.	15,516	13,057	570	1,609	97	151	-	32
407-05	Methyl alcohol	939	468	-	471	-	-	-	-
407-21	Butyl alcohol, normal	131	131	-	-	-	-	-	-
407-61	Ethylene glycol, mono	1,206	664	-	542	-	-	-	-
407-65	Menthol, natural & synthetic	951	157	-	15	-	50	-	729
407-78	Iso-octyl alcohol	38	38	-	-	-	-	-	-
407-82	Trimethylolethane	691	691	-	-	-	-	-	-
407-95	Fatty alcohols, n.e.s. (incl. sulphonated)	7,165	5,192	1,700	243	-	30	-	-
407-99	Alcohols & their deriv. n.e.s.	16,178	8,719	924	5,420	34	140	-	943

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000



Class No.		All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>									
<u>Organic Chemicals (Cont.)</u>									
408-02	Phenol (carbolic acid)	2,252	2,252	-	-	-	-	-	-
408-03	Cresols	1,004	514	326	93	-	71	-	-
408-04	Cresylic acid	1,406	1,308	78	-	-	20	-	-
408-11	Resorcinol	1,456	1,456	-	1	-	-	-	-
408-13	Phenols & phenol alcohols, n.e.s.	2,871	2,135	308	216	-	97	-	115
408-15	Phenols, chlorinated	1,521	1,299	91	131	-	-	-	-
408-18	Deriv. of phenols & phenolalcohols, n.e.s.	1,412	1,030	21	327	11	23	-	-
408-30	Ethers, ether-alcohols, ether-phenols, alcohol, peroxides & ether peroxide and deriv.	11,857	7,704	110	291	3,673	50	-	29
408-37	Epoxides, epoxyalcohols, epoxy phenols, epoxy-ethers and deriv.	3,152	3,141	-	-	-	11	-	-
408-40	Acetals, hemiacetals & their deriv.	171	119	-	17	35	-	-	-
408-45	Formaldehydes & para-formaldehydes	2,243	2,236	7	-	-	-	-	-

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.		All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>									
<u>Organic Chemicals (Cont.)</u>									
408-56	Vanillin	223	35	11	143	25	-	-	8
408-59	Aldehyde function compds., n.e.s.	4,569	4,431	95	31	2	9	-	-
408-89	Ketone & quinone function compds.	5,153	3,702	258	1,066	7	-	5	116
409-02	Formic acid	248	114	104	31	-	-	-	-
409-03	Acrylic acids & their esters	27,776	27,190	284	299	-	2	-	-
409-42	Stearic acid	713	565	28	-	-	-	-	120
409-50	Lauric acid	94	74	20	-	-	-	-	-
409-52	Oleic acid (red oil)	19	9	9	1	-	-	-	-
409-57	Benzoic acid & benzoates	1,557	1,197	70	109	2	107	-	74
409-59	Monoacids & deriv., n.e.s.	28,474	20,227	4,594	251	127	385	2	2,888
409-62	Oxalic acid	513	12	-	479	-	-	-	20

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>									
<u>Organic Chemicals (Cont.)</u>									
409-63	Azelaic acid	250	250	-	-	-	-	-	-
409-65	Fumaric acid	456	386	-	51	-	7	-	-
409-71	Isophthalic acid	1,023	1,021	-	3	-	-	-	-
409-72	Phthalic anhydride	1,144	315	245	455	-	-	-	130
409-79	Phthalates & phthalate esters, n.e.s.	2,407	1,419	32	914	-	-	-	41
409-81	Polyacids & deriv., n.e.s.	20,579	18,824	361	1,358	-	32	-	4
409-82	Lactic acid	364	131	84	33	-	106	-	11
409-84	Tartaric acid	322	32	-	26	-	-	-	264
409-85	Potassium bitartrate (cream of tartar)	104	3	-	62	-	-	-	39
409-93	Acetylsalicylic acid (except in tablet or dosage form)	1,923	769	713	432	-	-	-	9
409-94	2,4-Dichlorophenoxy-acetic acid, technical	873	111	273	359	131	-	-	-

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>									
<u>Organic Chemicals (Cont.)</u>									
409-96	Methylchlorophenoxy-acetic acid	3,292	145	1,225	1,922	-	-	-	-
409-98	Oxygen function acids & deriv., n.e.s.	17,649	5,597	1,695	7,011	12	76	-	3,259
411-24	Hexamethylene diamine	53	53	-	-	-	-	-	-
411-25	Amine function compds. n.e.s.	29,899	23,289	2,020	3,287	758	300	-	245
411-34	Ethanolamines (mono-di-tri)	1,141	865	-	276	-	-	-	-
411-43	Phenetidines (ortho-meta-, para)	-	-	-	-	-	-	-	-
411-45	Sodium glutamate, mono-	4,349	394	-	-	-	2,590	-	1,365
411-49	Single or complex oxygen function & amino compds., n.e.s.	36,248	23,834	2,666	3,582	190	1,197	-	4,781
411-51	Choline chloride	1,119	777	162	164	-	-	-	16
411-52	Quaternary ammonium salts, n.e.s.	1,752	1,293	326	109	25	-	-	-
411-59	Amide function compds.	10,396	4,804	1,996	3,022	385	54	7	128

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>									
<u>Organic Chemicals (Cont.)</u>									
411-63	Hexamethylene tetramine	60	60	1	-	-	-	-	-
411-64	Imide function & imine function compounds, n.e.s.	1,404	324	919	162	-	-	-	-
411-71	Acrylonitrile	13,018	13,018	-	-	-	-	-	-
411-74	Acetonitrile	248	248	-	-	-	-	-	-
411-75	Nitrile function compounds, n.e.s.	390	221	-	170	-	-	-	-
411-82	Isocyanates	15,448	14,503	85	811	-	50	-	-
411-99	Nitrogen-function compounds, n.e.s.	2,548	1,861	193	363	42	38	-	49
412-04	Xanthates	824	318	-	257	-	-	248	-
412-12	Dithiocarbamates	23,018	18,508	66	4,416	-	29	-	-
412-20	Mercaptans	2,378	1,943	8	426	-	-	-	-
412-23	Methionine	5,643	89	-	4,795	-	759	-	-
412-29	Organo-sulphur compounds, n.e.s.	3,872	2,319	714	636	6	145	-	54

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>									
<u>Organic Chemicals (Cont.)</u>									
412-54	Silicone fluids	3,414	3,411	2	2	-	-	-	-
412-59	Other organo-inorganic compounds, n.e.s.	4,005	3,119	215	615	11	45	-	-
412-63	Thiazoles (except sulfathiazole)	3,659	1,475	2,127	25	-	-	-	31
412-65	Morpholine	666	2	406	258	-	-	-	-
412-79	Heterocyclic compds. n.e.s. incl. nucleic acids	58,087	27,302	4,527	8,876	12,142	1,656	1,622	1,962
413-12	Animal charcoal	1,039	53	960	-	26	-	-	-
413-28	Naphthenic acid	159	142	-	3	-	-	-	14
413-43	Metal naphthenates	299	145	154	-	-	-	-	-
413-99	Organic chemicals, n.e.s.	14,200	12,169	38	1,985	7	-	-	-
ORGANIC CHEMICALS TOTAL		485,817	345,191	32,832	59,774	17,722	10,926	1,884	17,487
INDUSTRIAL CHEMICALS TOTAL		875,857	624,178	58,249	110,320	24,264	18,893	2,198	37,754

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>MISCELLANEOUS CHEMICALS SIC 379</u>									
<u>Essential Oils, Fats, Waxes and Vegetable Extracts</u>									
394-15	Carnauba wax	378	124	-	-	-	-	-	254
394-49	Waxes, animal and vegetable, n.e.s.	385	285	22	2	-	-	3	72
395-59	Chem. modified oils, fats and waxes	5,405	5,051	59	243	-	-	-	52
395-75	Tall oil fatty acids	2,968	2,968	-	-	-	-	-	-
395-99	Mixtures, residues and derivatives of oils, fats, n.e.s.	10,969	9,098	1,501	189	-	-	-	180
396-10	Chestnut extract	77	22	-	54	-	-	-	-
396-20	Quebracho extract	481	5	-	-	-	-	-	476
396-40	Wattle extract	687	22	1	-	-	-	-	663
396-89	Synthetic tanning agents, n.e.s.	1,140	458	2	666	13	-	-	-
396-99	Natural tanning and dyeing extract, n.e.s.	361	249	29	33	-	-	-	51

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>MISCELLANEOUS CHEMICALS (Cont.)</u>									
<u>Oils, Fats &amp; Waxes (Cont.)</u>									
397-16	Lemon and orange oil	1,495	1,124	15	181	8	-	-	166
397-20	Peppermint oil	1,741	1,691	15	25	-	-	-	10
397-25	Spearmint oil	868	868	-	-	-	-	-	-
397-39	Essential oils, n.e.s.	6,763	5,330	180	640	247	70	13	283
397-49	Blends of essential oils	13,991	12,328	905	354	327	-	-	76
399-05	Rosin	3,141	2,911	9	32	-	-	-	190
399-08	Rosin sizing	2,544	2,544	-	-	-	-	-	-
399-10	Rosin oils, spirits and acids, n.e.s.	2,094	2,094	-	-	-	-	-	-
399-15	Tall oil and tall oil pitch	284	284	-	-	-	-	-	-
399-20	Turpentine	245	244	1	-	-	-	-	-
399-35	Pine oil, pine tar and pine pitch	1,309	1,309	-	-	-	-	-	-
399-45	Lyes from wood pulp mfg.	2,432	2,419	-	12	-	-	-	1
399-99	Gum, wood and vegetable extracts, n.e.s.	3,038	2,668	21	18	-	13	-	320
OILS, FATS AND WAXES TOTAL		62,796	54,096	2,760	2,449	595	83	16	2,794

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000



Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>MISCELLANEOUS CHEMICALS (Cont.)</u>									
<u>Agricultural Chemicals Formulated</u>									
<u>Insecticides and Rodenticides</u>									
418-30	D.D.T. dusts, solutions & powders	19	19	-	-	-	-	-	-
418-40	Synthetic organics, n.e.s. botanicals & arsenicals, formulated	642	550	23	-	-	-	-	69
418-57	Dithiocarbamates, formulated	1,517	1,405	-	112	-	-	-	-
418-58	Mercurial fungicides (except seed treatments)	249	151	98	-	-	-	-	-
418-59	Fungicides, n.e.s. (except seed treatments)	3,615	3,107	29	364	-	114	2	-
418-61	Organic mercurial seed treatments	33	33	-	-	-	-	-	-
418-79	Other agricultural dusts and sprays (except herbicides)	878	868	3	-	-	-	-	6
418-82	Herbicides, based on chlorate, borate or 2, 4, 5-T	1,051	976	-	75	-	-	-	-

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>MISCELLANEOUS CHEMICALS (Cont.)</u>									
<u>Agricultural Chemicals Formulated Insecticides &amp; Rodenticides (Cont.)</u>									
418-84	2,4-D ester and amine dusts and formulations	777	691	86	-	-	-	-	-
418-99	Herbicides, n.e.s.	74,431	55,875	6,900	9,525	2,114	18	-	-
418-99	Insecticides & rodenticides, n.e.s.	17,900	16,110	272	847	574	30	49	19
<u>AGRICULTURAL CHEMICALS TOTAL</u>		<u>101,112</u>	<u>79,785</u>	<u>7,411</u>	<u>10,923</u>	<u>2,688</u>	<u>162</u>	<u>51</u>	<u>94</u>
<u>Adhesives</u>									
421-19	Glue, animal	2,403	1,575	1	201	37	-	-	591
421-59	Glue, synthetic resin	7,666	7,210	81	266	16	90	-	2
421-79	Rubber cement	2,256	2,140	3	105	-	8	-	-
421-99	Adhesives, n.e.s.	3,947	3,654	24	154	63	12	-	44
<u>ADHESIVES TOTAL</u>		<u>16,272</u>	<u>14,579</u>	<u>109</u>	<u>726</u>	<u>116</u>	<u>107</u>	<u>-</u>	<u>637</u>

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>MISCELLANEOUS CHEMICALS (Cont.)</u>									
<u>Industrial Chemical Specialties</u>									
429-07	Additives for mineral oils	35,614	32,781	1,742	1,091	-	-	-	-
429-11	Automotive chemicals, n.e.s.	4,492	4,014	431	42	-	-	-	5
429-14	Carbon, activated	3,345	2,837	183	272	-	54	-	-
429-15	Clays and earths, activated	5,750	3,025	27	519	-	-	-	2,179
429-17	Collecting reagents for concentrating ores, metals or minerals	2,986	2,450	4	531	-	-	-	-
429-22	Compound catalysts	20,958	19,414	160	875	-	411	-	99
429-32	Dextrin and dextrin preparations (except adhesives)	889	486	59	344	-	-	-	-
429-42	Charge preparations for fire extinguishers	787	711	23	53	-	-	-	-
429-46	Gelatin, inedible	1,651	1,595	-	-	-	-	-	55
429-52	Metalworking compounds prepared	15,855	15,094	312	309	106	21	-	12

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>MISCELLANEOUS CHEMICALS (Cont.)</u>									
<u>Industrial Chemical Specialties (Cont.)</u>									
429-62	Ion exchangers, except synthetic resins	2,431	2,426	-	2	3	-	-	-
429-63	Industrial fungicides, germicides and slimicides	8,481	7,269	713	427	19	53	-	-
429-64	Oil treating compounds	5,305	5,305	-	-	-	-	-	-
429-72	Rubber and plastic compounding agents, n.e.s.	20,675	18,883	712	882	159	4	-	36
429-74	Starch, industrial	6,361	6,113	-	247	1	-	-	-
429-79	Surface active agents compounded	29,584	27,468	347	1,666	72	1	-	30
429-82	Textile specialty chemicals, prep.	10,845	9,659	119	880	138	49	-	-
429-95	Caulking, sealing and sound deadening compds.	19,967	19,103	483	154	-	-	-	226
429-99	Industrial chemical specialties, n.e.s.	52,423	45,624	1,629	3,183	484	335	17	1,149

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>MISCELLANEOUS CHEMICALS (Cont.)</u>									
<u>Industrial Chemical Specialties (Cont.)</u>									
800-77	Boot and shoe polishes and dressings	828	484	10	241	83	-	-	10
800-79	Polishes, waxes and related preps., n.e.s.	5,403	3,800	174	163	836	5	-	427
800-89	Household chemical specialties, n.e.s.	14,362	13,922	217	115	86	5	-	16
919-79	Photographic chemicals, n.e.s.	28,470	27,221	482	405	63	299	-	-
<u>INDUSTRIAL CHEMICAL SPECIALTIES TOTAL</u>		<u>297,462</u>	<u>269,684</u>	<u>7,827</u>	<u>12,401</u>	<u>2,050</u>	<u>1,237</u>	<u>17</u>	<u>4,244</u>

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>MISCELLANEOUS CHEMICALS (Cont'd.)</u>									
<u>Inks</u>									
429-66	Printing ink	4,977	4,778	155	38	-	4	-	1
429-68	Rotogravure ink	446	445	-	1	-	-	-	-
904-04	Inks, except printing inks	3,653	2,287	1,138	169	1	11	-	48
	INKS TOTAL	9,076	7,510	1,293	208	1	15	-	49
<u>Explosives and Ammunition</u>									
415-09	Gunpowder and similar powder	3,385	3,302	15	68	-	-	-	-
415-69	Prepared explosives & blasting agents, n.e.s.	2,961	2,659	270	32	-	-	-	-
866-04	Bookmatches	91	63	-	11	-	14	-	2
866-08	Matches except book matches	341	47	5	17	-	115	-	156
930-21	Shotshells	1,988	1,802	41	4	-	-	-	140
930-26	Centre fire metallic cartridges	931	931	-	-	-	-	-	-

TABLE VI (Cont'd)

CHEMICAL IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>MISCELLANEOUS CHEMICALS (Cont'd.)</u>									
<u>Explosives and Ammunition (Cont'd.)</u>									
930-29	Ammunition n.e.s. non-military	3,110	2,061	331	580	3	6	-	129
930-39	Ammunition parts, non-military	4,054	3,642	45	188	-	-	77	102
949-56	Pyrotechnic articles and fireworks, n.e.s.	1,937	369	115	70	1,325	2	-	55
<b>EXPLOSIVES AND AMMUNITION TOTAL</b>		<b>18,798</b>	<b>14,876</b>	<b>822</b>	<b>970</b>	<b>1,328</b>	<b>137</b>	<b>77</b>	<b>584</b>
<b>MISCELLANEOUS CHEMICALS TOTAL</b>		<b>505,516</b>	<b>440,530</b>	<b>20,222</b>	<b>27,677</b>	<b>6,778</b>	<b>1,741</b>	<b>161</b>	<b>8,402</b>
<b>GRAND TOTAL IMPORTS, CHEMICAL AND CHEMICAL PRODUCTS</b>		<b>2,239,267</b>	<b>1,703,076</b>	<b>141,356</b>	<b>210,014</b>	<b>70,164</b>	<b>32,395</b>	<b>4,424</b>	<b>77,830</b>

SOURCE: Statistics Canada, Catalogue 65-007, "Imports by Commodities".

TABLE VI (End)

CHEMICAL IMPORTS  
\$'000

EXPORTS OF CHEMICALS AND CHEMICAL PRODUCTS BY SUB-GROUP

<u>DESCRIPTION</u>		CALENDAR YEAR	CALENDAR YEAR	%
		1976	1977	CHANGE
		\$'000	\$'000	
Mixed Fertilizers	SIC 372	7,672	8,305	8.3
Plastics and Synthetic Resins	SIC 373	131,054	172,881	31.9
Pharmaceuticals and Medicines	SIC 374	59,858	64,590	7.9
Paint and Varnish	SIC 375	4,596	5,172	12.5
Soap and Cleaning Compounds	SIC 376	2,930	3,772	28.7
Toilet Preparations	SIC 377	3,174	5,294	66.8
<u>Industrial Chemicals</u>	SIC 378			
Pigments and Dry Colours	SIC 3781	13,715	9,085	-33.8
Inorganic Chemicals	SIC 3782	398,317	463,134	16.3
Fertilizer Chemicals	SIC 3782	131,891	183,393	39.0
Organic Chemicals	SIC 3783	171,637	301,352	75.6
SIC 378 TOTAL		715,560	956,964	33.7
<u>Miscellaneous Chemicals</u>	SIC 379			
Oils, Fats & Waxes		6,593	11,815	79.2
Agricultural Chemicals Formulated		14,037	10,426	-25.8
Adhesives		3,020	2,865	- 5.0
Industrial Chemical Specialties		31,303	41,467	32.5
Ammunition, Non-Military		3,145	2,851	- 9.4
SIC 379 TOTAL		58,098	69,424	19.5
Chemical & Chemical Products GRAND TOTAL		982,942	1,286,402	30.9

SOURCE: Statistics Canada, Catalogue 65-004, "Exports by Commodities".



EXPORTS -- CHEMICALS AND CHEMICAL PRODUCTS BY CLASS AND COUNTRY  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
<u>MIXED FERTILIZERS SIC 372</u>								
416-89	Prepared fertilizer mixtures TOTAL	8,305	7,864	22	168	-	-	252
<u>PLASTICS &amp; SYNTHETIC RESINS SIC 373</u>								
423-16	Polyethylene resins, not shaped	21,169	3,391	1,528	2,970	5	1,549	11,725
423-18	Polystyrene resins, not shaped	4,025	1,926	26	126	1	82	1,866
423-79	Plastics scrap & waste	1,601	1,505	7	25	-	-	64
423-99	Synthetic & reclaimed rubber & plastics materials, not shaped, n.e.s.	146,086	107,338	13,592	4,356	1,451	317	19,030
	TOTAL	172,881	114,160	15,153	7,477	1,457	1,948	32,685

TABLE VIII

CHEMICAL EXPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
<u>PHARMACEUTICALS AND MEDICINES SIC 374</u>								
206-99	Animal materials used in manufacturing drugs n.e.s	11,656	11,485	8	31	2	-	131
214-30	Senega Root	190	13	-	158	-	-	19
214-99	Crude Herbs and Plant Parts for medicine	2,897	665	16	35	20	-	2,160
871-99	Biological products for human use	12,148	3,432	550	2,046	982	254	4,890
872-23	Penicillin	1,184	400	-	-	-	-	785
872-99	Antibiotics, n.e.s.	7,071	304	9	4,236	-	2	2,519
874-99	Vitamins & preparations	1,074	341	21	11	-	4	699
878-99	Veterinary medicines & feed supplements	5,251	669	7	301	2,101	10	2,164
879-30	Narcotics	-	-	-	-	-	-	-
879-40	Proprietary medicines registered	250	6	-	-	-	-	243
879-99	Medicinal & pharmaceutical products, n.e.s.	22,869	5,295	1,004	2,195	1,631	385	12,357
	TOTAL	64,590	22,610	1,615	9,013	4,736	655	25,967

TABLE VIII (Cont'd)

CHEMICAL EXPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
<u>PAINT AND VARNISH SIC 375</u>								
428-35	Ready mixed paints, including white lead and colours in oil	1,469	606	32	300	56	4	470
428-40	Varnishes and prepared shellacs	775	766	-	-	-	-	9
428-99	Stains, lacquers, thinners, fillers and related products, n.e.s.	2,928	2,262	109	49	32	9	470
TOTAL		5,172	3,634	141	349	88	13	949
<u>SOAP &amp; CLEANING COMPOUNDS SIC 376</u>								
800-69	Soap & Detergents	1,860	1,710	3	34	1	-	110
800-99	Cleaning & polishing preparations & household chemicals specialties	1,912	1,006	57	181	8	283	375
TOTAL		3,772	2,716	60	215	9	283	485
<u>TOILET PREPARATIONS SIC 377</u>								
800-59	Perfumes, toilet preparations & cosmetics	5,294	2,259	230	288	90	108	2,324

TABLE VIII (Cont'd)

CHEMICAL EXPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
<u>INDUSTRIAL CHEMICALS SIC 378</u>								
<u>Pigments &amp; Drycolours SIC 3781</u>								
427-99	Dyestuffs, pigments lakes & toners	9,085	6,754	606	34	21	111	1,559
<u>Inorganic Chemicals SIC 3782</u>								
400-03	Chlorine	10,908	10,832	-	-	-	-	76
400-37	Selenium	9,351	5,259	3,270	-	558	-	264
400-61	Calcium Metal	977	800	57	109	3	-	8
400-99	Chemical elements, n.e.s.	89,456	22,849	41,947	5,633	12,330	1,572	5,125
401-04	Hydrogen chloride/Aqueous & Anhydride	4,093	4,084	-	-	-	-	9
401-15	Sulphuric acid, including oleum	5,397	5,294	-	-	-	-	102
401-99	Inorganic acids & oxygen compounds of non-metals, n.e.s.	24,786	24,573	-	111	45	-	57
402-01	Ammonia anhydrous	71,335	71,020	-	-	-	-	315
402-40	Iron oxides, natural or synthetic	4,879	4,155	-	-	-	-	723

TABLE VIII (Cont'd)

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
<u>INDUSTRIAL CHEMICALS (Cont'd)</u>								
402-46	Cobalt oxides & hydroxides	4,935	44	4,891	-	-	-	-
402-99	Inorganic bases & metallic oxides, hydroxides & peroxides, n.e.s.	30,151	29,193	109	190	-	140	521
404-63	Sodium sulphate, anhydrous (salt cake)	6,957	6,954	-	-	-	3	-
404-99	Metallic salts and peroxy salts of inorganic acids, n.e.s.	31,972	24,098	2,898	227	186	514	4,050
405-35	Radioactive elements & isotopes & compounds & stable isotopes & their compounds	161,165	151,869	356	1,435	288	59	7,160
405-99	Inorganic chemicals, n.e.s.	6,772	5,079	178	44	86	279	1,109
TOTAL		463,134	366,103	53,706	7,749	13,496	2,567	19,519
<u>Fertilizer Chemicals SIC 3782</u>								
416-31	Urea	72,742	70,109	-	15	-	-	2,618
416-44	Ammonium nitrate	27,557	27,438	-	-	-	-	118
416-45	Urea, sodium nitrate, calcium cyanamides & nitrogen solutions	7,165	7,161	4	-	-	-	-
416-47	Ammoniated superphosphate, ammonium phosphates & nitrogen phosphate fertilizers, n.e.s.	61,962	47,934	-	-	-	-	14,029
416-48	Ammonium sulphate	12,307	12,307	-	-	-	-	-
416-99	Fertilizers & fertilizer materials, n.e.s.	1,660	1,557	-	88	-	-	15
TOTAL		183,393	166,506	4	103	-	-	16,780

TABLE VIII (Cont'd)

CHEMICAL EXPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
<u>INDUSTRIAL CHEMICALS (Cont'd)</u>								
<u>Organic Chemicals SIC 3783</u>								
406-99	Hydrocarbons & their derivatives	142,001	102,199	1,863	35,559	650	1,243	488
407-99	Alcohols & their derivatives	68,183	40,735	1,453	12,089	7,621	936	5,350
408-19	Phenols, phenol alcohols & their derivatives	1,836	283	109	-	-	94	1,351
408-39	Ethers, alcohol peroxides ether, peroxides epoxides, acetals, hemi-acetals & derivatives	16,712	16,372	164	167	2	-	6
408-59	Aldehyde-function compounds	24,381	9,126	1,996	2,679	848	198	9,535
408-89	Ketone-function compounds	74	64	10	-	-	-	-
409-99	Organic acids anhydrides & derivatives	17,673	9,829	374	1,748	517	1,767	3,440
411-99	Nitrogen-function compounds, n.e.s.	11,821	7,908	1,051	1,717	2	82	1,061
412-99	Organo-inorganic compounds & heterocyclic compounds, including inorganic esters	11,633	7,441	37	997	88	98	2,974
413-99	Organic chemicals, n.e.s.	7,038	4,428	-	2,603	-	-	6
	TOTAL	301,352	198,385	7,057	57,559	9,728	4,418	24,211
INDUSTRIAL CHEMICALS	TOTAL	956,964	737,748	61,373	65,445	23,245	7,096	62,069

TABLE VIII (Cont'd)

CHEMICAL EXPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
<u>MISCELLANEOUS CHEMICAL INDUSTRIES SIC 379</u>								
<u>Oils, Fats &amp; Waxes</u>								
394-49	Waxes, animal and vegetable	521	460	46	14	-	-	2
395-99	Chemically modified oils, fats, waxes & derivatives	2,803	854	263	-	-	-	1,686
397-99	Essential oils, natural synthetic	2,225	1,279	110	461	4	-	372
398-99	Gum, wood & vegetable extracts, n.e.s., including tanning & dyeing materials, n.e.s.	6,266	5,312	-	88	370	152	341
	TOTAL	11,815	7,905	419	563	374	152	2,401
418-99	Agricultural chemicals formulated, insecticides & rodenticides	10,426	6,066	231	1,622	58	132	2,317
	TOTAL	10,426	6,066	231	1,622	58	132	2,317
<u>Adhesives</u>								
421-19	Glue, animal	1,264	807	97	354	-	1	6
421-99	Adhesives, n.e.s.	1,601	963	99	67	5	26	443
	TOTAL	2,865	1,770	196	421	5	27	449

TABLE VIII (Cont'd)

CHEMICAL EXPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
<u>MISCELLANEOUS CHEMICALS (Cont'd)</u>								
429-99	Industrial chemical specialties & explosives, n.e.s.	41,467	25,456	2,083	4,123	334	580	8,891
930-19	Ammunition for non-military use & parts	2,851	1,150	-	808	-	168	724
<u>MISCELLANEOUS CHEMICAL TOTAL</u>		69,424	42,347	2,929	7,532	771	1,059	14,782
<u>CHEMICALS &amp; CHEMICAL PRODUCTS GRAND TOTAL</u>		1,286,402	933,338	81,523	90,487	30,396	11,162	139,513

SOURCE: Statistics Canada, Catalogue 65-004, "Exports by Commodities".

TABLE VIII (End)

CHEMICAL EXPORTS  
\$'000



POTASH - SIC 0794 PRODUCTION AND TRADE

<u>Description</u>	<u>Class</u>	<u>1976</u>		<u>1977 (p)</u>		<u>Value % Change</u>
		<u>Short Ton</u>	<u>\$'000</u>	<u>Short Ton</u>	<u>\$'000</u>	
<u>Production</u>						
Producers' Shipments	K <sub>2</sub> O (Equivalent)	5,749,033	353,504	6,515,000	421,281 <sup>P</sup>	19.1
<u>Imports</u>						
Potash	416-64	4,629	269	13,043	786	192.2
<u>Exports</u>						
Potash	416-52 <sup>(1)</sup>	9,125,048	407,612	10,163,474	468,269	14.9

(1) Class 416-52 Potassium chloride (muriate of potash)

(p) Preliminary

SOURCE: Statistics Canada, Catalogues  
 26-202, "Canada's Mineral Production".  
 65-004, "Exports by Commodities".  
 65-007, "Imports by Commodities".

POTASH - IMPORTS - EXPORTS BY COUNTRY

\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
<u>Imports</u>								
416-64	Potassium chloride	786	776	10	-	-	-	-
<u>Exports</u>								
416-52	Potassium chloride (muriate of potash)	468,269	367,084	288	4,009	30,741	4,555	61,592

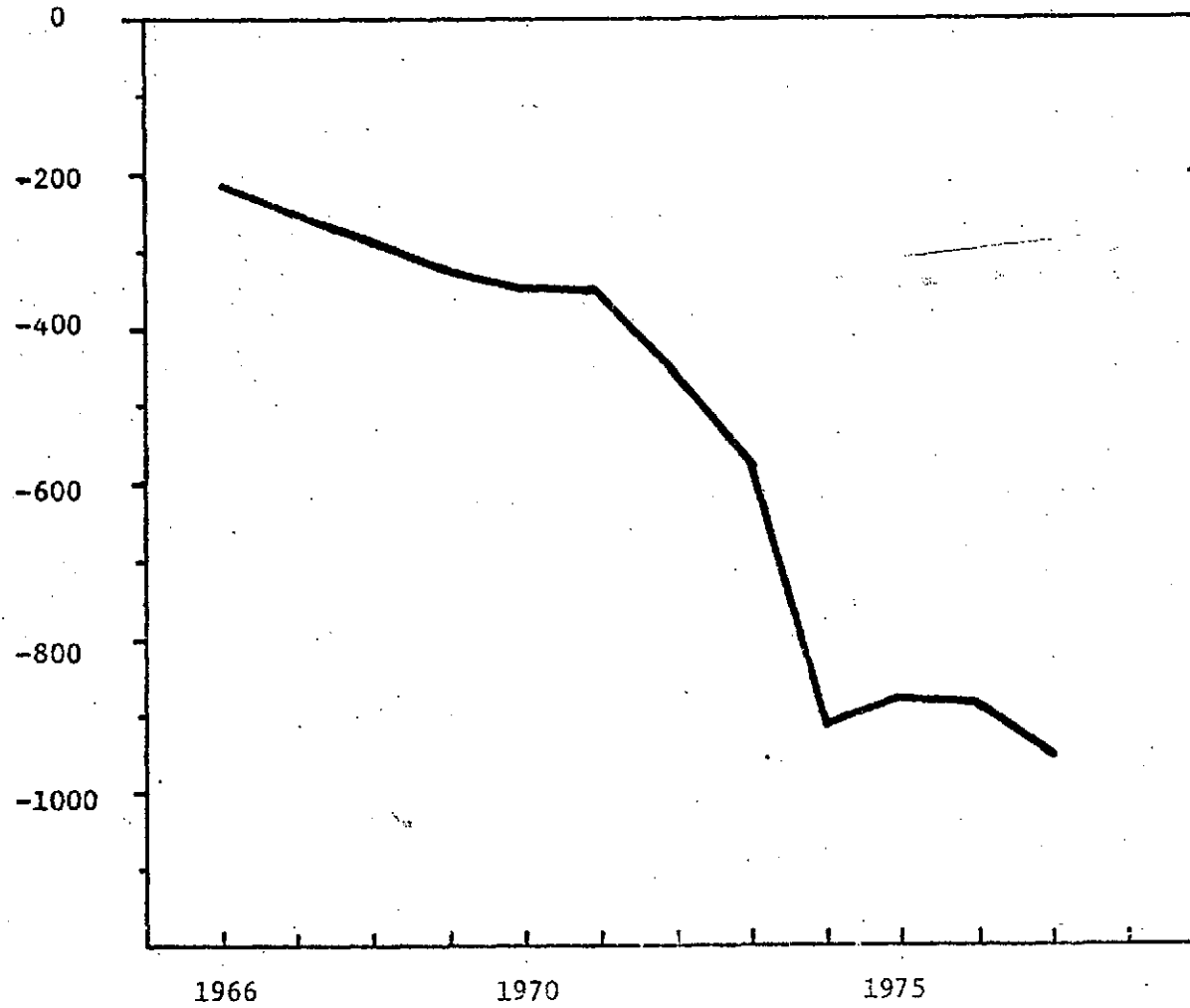
SOURCE: Statistics Canada, Catalogues  
65-004, "Exports by Commodities".  
65-007, "Imports by Commodities".

TABLE X

POTASH IMPORTS-EXPORTS  
\$'000

TRADE BALANCE IN CHEMICALS AND  
CHEMICAL PRODUCTS

\$  
MILLIONS



CHANG II

## TRADE BALANCE FOR CHEMICAL AND CHEMICAL PRODUCTS BY SUB-GROUP

1977

\$'000

<u>DESCRIPTION</u>		<u>IMPORTS</u>	<u>EXPORTS</u>	<u>BALANCE</u>
Mixed Fertilizers	SIC 372	18,732	8,305	- 10,427
Plastics and Synthetic Resins	SIC 373	479,097	172,881	-306,216
Pharmaceuticals & Medicines	SIC 374	224,319	64,590	-159,729
Paint and Varnish	SIC 375	64,323	5,172	- 59,151
Soaps and Cleaning Compounds	SIC 376	31,548	3,772	- 27,776
Toilet Preparations	SIC 377	39,875	5,294	- 34,581
<u>Industrial Chemicals</u>	SIC 378			
Pigments and Dry Colours	SIC 3781	86,463	9,085	- 77,378
Inorganic Chemicals	SIC 3782	255,498	463,134	+207,636
Fertilizer Chemicals	SIC 3782	48,079	183,393	+135,314
Organic Chemicals	SIC 3783	<u>485,817</u>	<u>301,352</u>	<u>+184,465</u>
SIC 378 TOTAL		875,857	956,964	+ 81,107
<u>Other Chemicals</u>	SIC 379			
Oils, Fats & Waxes		62,796	11,815	- 50,981
Agricultural Chemicals Formulated		101,112	10,426	- 90,686
Adhesives		16,272	2,865	- 13,407
Industrial Chemical Specialties		297,462	41,467	-255,995
Inks		9,076	-	- 9,076
Explosives and Ammunition		<u>18,798</u>	<u>2,851</u>	<u>- 15,947</u>
SIC 379 TOTAL		505,516	69,424	-436,092
Chemical & Chemical Products TOTAL		2,239,267	1,286,402	-952,865

SOURCE: Statistics Canada, Catalogue 65-007, "Imports by Commodities".

TABLE XI

 TRADE BALANCE - SUB-GROUP  
 \$'000

CANADIAN TRADE BALANCE FOR CHEMICAL AND CHEMICAL PRODUCTS <sup>(1)</sup>  
(Millions of Dollars)

	<u>1972</u>	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>
Imports	894.4	1,104.0	1,649.1	1,642.2	1,868.4	2,239.3
Exports <sup>(2)</sup>	<u>437.6</u>	<u>526.2</u>	<u>732.3</u>	<u>762.9</u>	<u>982.9</u>	<u>1,286.4</u>
Deficit	-456.8	- 577.8	- 916.8	- 879.3	- 885.5	- 952.9
Exports of Potassium Chloride	<u>147.5</u>	<u>183.9</u>	<u>275.7</u>	<u>292.2</u>	<u>407.6</u>	<u>468.3</u>
	-309.3	- 393.9	- 641.1	- 587.1	- 477.9	- 484.6

(1) Does not include Plastic Fabricated Products.

(2) Does not include Potassium Chloride (muriate of potash).

SOURCE: Statistics Canada, Catalogues  
65-004, "Exports by Commodities".  
65-007, "Imports by Commodities".

CANADIAN TRADE BALANCE FOR CHEMICAL AND CHEMICAL PRODUCTS BY COUNTRY <sup>(1)</sup>  
1977

(Millions of Dollars)

	<u>IMPORTS</u>	<u>% OF TOTAL</u>	<u>EXPORTS</u> <sup>(2)</sup>	<u>% OF TOTAL</u>	<u>BALANCE</u>
United States	1,703.1	76.0	933.3	72.6	-769.8
United Kingdom	141.4	6.3	81.5	6.3	- 59.9
EEC Countries	210.0	9.4	90.5	7.0	-119.5
Other Countries	184.8	8.3	181.1	14.1	- 3.7
TOTAL	2,239.3	100.0	1,286.4	100.0	-952.9

(1) Does not include Plastic Fabricated Products

(2) Does not include Potassium Chloride (muriate of potash)

SOURCE: Statistics Canada, Catalogues  
65-004, "Exports by Commodities".  
65-007, "Imports by Commodities".

TABLE XIII

TRADE BALANCE - COUNTRY

CHEMICAL AND CHEMICAL PRODUCTS  
APPARENT DOMESTIC MARKET  
 1972-1977

(Millions of Dollars)

	SIC NO.	<u>1972</u>	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>5-YEAR AVERAGE ANNUAL GROWTH</u> %
<u>Mixed Fertilizers</u>	372							
Factory Shipments		69.2	96.5	171.8	166.6	160.6	209.4	24.8
Imports		5.3	8.4	11.0	17.7	16.8	18.7	
Exports		13.0	6.8	13.1	11.1	7.7	8.3	
Apparent Domestic Market		61.5	98.1	169.7	173.2	169.7	219.8	29.0
<u>Plastic &amp; Synthetic Resins</u>	(1) 373							
Factory Shipments		354.7	432.7	574.7	595.6	558.7	641.4	12.6
Imports		295.2	247.9	417.3	318.2	393.1	479.1	
Exports		73.4	88.6	101.9	102.7	131.1	172.9	
Apparent Domestic Market		576.5	592.0	890.1	811.1	820.7	947.6	10.5
<u>Pharmaceutical &amp; Medicines</u>	374							
Factory Shipments		469.4	536.3	574.7	636.5	739.6	822.6	11.9
Imports		95.5	111.4	146.6	169.8	176.4	224.3	
Exports		35.2	47.1	52.5	58.3	59.9	64.6	
Apparent Domestic Market		529.7	600.6	668.8	748.0	856.1	982.3	13.1
<u>Paint and Varnish</u>	375							
Factory Shipments		281.6	319.5	407.4	444.5	536.1	577.3	15.4
Imports		22.9	28.7	37.5	50.1	52.7	64.3	
Exports		1.7	2.9	3.7	3.9	4.6	5.2	
Apparent Domestic Market		302.8	345.3	441.2	490.7	584.2	636.4	16.0

TABLE XIV

CHEMICAL MARKET

	<u>SIC</u> <u>NO.</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>5-YEAR AVERAGE</u> <u>ANNUAL GROWTH</u> %
<u>Soap and Cleaning Compounds</u>								
	376							
Factory Shipments		266.1	294.0	406.8	404.7	470.4	527.0	14.6
Imports		13.8	15.3	20.0	24.7	26.6	31.5	
Exports		1.0	1.4	1.6	2.0	2.9	3.8	
Apparent Domestic Market		278.9	307.9	425.2	427.4	494.1	554.7	14.7
<u>Toilet Preparations</u>								
	377							
Factory Shipments		179.6	194.6	218.8	255.2	319.2	350.1	14.3
Imports		13.9	17.0	22.7	27.7	31.9	39.9	
Exports		2.3	2.1	4.9	3.5	3.2	5.3	
Apparent Domestic Market		191.2	209.5	236.6	279.4	347.9	384.7	15.0
<u>Industrial Chemicals</u>								
	(2) 378							
Factory Shipments		846.5	1024.2	1438.4	1690.4	2139.0	2320.3	22.3
Imports		329.8	406.7	617.1	631.8	724.1	875.9	
Exports		282.5	342.5	496.7	517.1	715.6	957.0	
Apparent Domestic Market		893.8	1088.4	1558.8	1805.1	2148.0	2239.2	20.2
<u>Miscellaneous Chemical Industries</u>								
	379							
Factory Shipments		448.6	515.9	744.8	805.7	909.8	1028.5	18.1
Imports		215.9	277.6	377.1	402.3	446.8	505.5	
Exports		34.5	43.0	57.9	64.3	58.1	69.4	
Apparent Domestic Market		630.0	750.0	1064.0	1143.7	1298.5	1464.6	18.4

TABLE XIV (Cont'd)

CHEMICAL MARKET



	<u>1972</u>	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>5-YEAR AVERAGE ANNUAL GROWTH</u> %
<u>Total Chemical and Chemical Products</u>							
Factory Shipments	2915.7	3413.7	4537.4	4999.2	5833.3	6476.6	17.3
Imports	902.3	1113.0	1649.3	1642.2	1868.4	2239.3	
Exports	443.6	534.4	732.3	762.9	982.9	1286.4	
Apparent Domestic Market	3374.4	3992.3	5454.4	5878.5	6718.8	7429.5	17.1
<u>All Manufacturing</u>							
Factory Shipments	55489.0	65360.8	80274.6	87597.7	98597.3	109798.3	14.6
Imports	16332.9	20189.7	26032.1	27900.6	30629.3	34925.5	
Exports	14426.5	17631.9	20349.2	20959.0	25476.8	30749.9	
Apparent Domestic Market	57395.4	67918.6	85957.5	94539.3	103749.8	113973.9	14.7

(1) Adjusted to include synthetic rubber.

(2) Adjusted to exclude synthetic rubber.

SOURCE: Statistics Canada, Catalogues  
 31-001, "Inventories, Shipments and Orders in  
 Manufacturing Industries".  
 65-004, "Exports by Commodities".  
 65-007, "Imports by Commodities".

CHEMICAL AND CHEMICAL PRODUCTS PRODUCTION AND TRADE  
1972-77  
\$ Million

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	<u>Factory Shipments</u>	<u>Imports</u>	<u>Exports</u>	<u>Apparent Domestic Market</u>	<u>Imports As a % of Domestic Market</u>	<u>Exports As a % of Factory Shipments</u>
1972	2915.7	902.3	443.6	3374.4	26.7	15.2
1973	3413.7	1113.0	534.4	3992.3	27.9	15.7
1974	4537.4	1649.3	732.3	5454.4	30.2	16.1
1975	4999.2	1642.2	762.9	5878.5	27.9	15.3
1976	5833.3	1868.4	982.9	6718.8	27.8	16.8
1977	6476.6	2239.3	1286.4	7429.5	30.1	19.9

SOURCE: Statistics Canada, Catalogues  
31-001, "Inventories, Shipments and Orders in Manufacturing Industries".  
65-004, "Exports by Commodities".  
65-007, "Imports by Commodities".

TABLE XV

CHEMICAL PRODUCTION - TRADE

RUBBER INDUSTRIES SIC 162  
ESTIMATED VALUE OF SHIPMENTS

\$'000

<u>Description</u>	<u>1976</u> \$'000	<u>1977</u> \$'000	<u>%</u> <u>Change</u>
Other Rubber Industries <sup>(1)</sup>	1,225,567	1,309,687	6.9

(1) Includes rubber footwear manufacturers and other rubber industries.

SOURCE: Statistics Canada, Catalogue 31-001, "Inventories, Shipments and Orders in Manufacturing Industries".

IMPORTS OF RUBBER PRODUCTS BY SUB-GROUP SIC 162  
\$'000

<u>Description</u>	<u>1976</u>	<u>1977</u>	<u>% Change</u>
Rubber belts & belting	13,234	15,805	19.4
Rubber sheeting	6,473	5,570	-15.0
Rubber coated fabrics	26,182	32,176	22.9
Compounded & reclaimed rubber	4,322	3,436	-20.5
Rubber hose	17,380	24,440	40.6
Other rubber products	64,458	80,090	24.3
SUB TOTAL	<u>132,049</u>	<u>161,517</u>	22.3
Footwear	+ 9,616	8,729	- 9.2
Rubber tires & tubes	+ 212,384	283,709	33.6
Rubber & allied gums, natural	<del>64,198</del>	<del>79,776</del>	24.3

SOURCE: Statistics Canada, Catalogue 65-007,  
"Imports by Commodities".

TABLE XVII

RUBBER IMPORTS  
\$'000

IMPORTS RUBBER PRODUCTS INDUSTRY BY CLASS AND COUNTRY SIC 162  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Other
<u>RUBBER BELTS &amp; BELTING</u>							
321-04	Rubber belts & belting material conveying	2,920	1,369	373	232	924	22
321-15	Rubber belts & belting, V-type, incl. multiple types	11,878	9,883	237	198	1,354	204
321-19	Rubber belts & belting, n.e.s.	1,007	733	58	93	71	50
	TOTAL	15,805	11,985	668	523	2,349	276
<u>RUBBER SHEETING</u>							
323-04	Rubber soling sheets & toplifting sheets	1,803	473	50	315	45	921
323-13	Foam rubber & sponge rubber sheeting	1,038	995	1	6	32	3
323-16	Rubber sheeting, n.e.s.	2,729	1,488	285	133	46	776
	TOTAL	5,570	2,956	336	454	123	1,700

TABLE XVIII (Cont'd)

RUBBER IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	JAPAN	Other
<u>RUBBER COATED FABRICS</u>							
387-32	Rubber Coated Cotton Fabrics, n.e.s.	538	528	3	3	-	4
387-36	Rubber Coated Tire Fabrics	17,555	16,906	110	494	44	-
387-38	Rubber Coated Textile Belting	6,246	2,421	1,987	251	1,282	307
387-39	Rubber Coated Fabrics, n.e.s.	7,837	7,360	33	392	22	30
TOTAL		32,176	27,215	2,133	1,140	1,348	341
<u>COMPOUNDED OR SEMI-PROCESSED RUBBER</u>							
422-60	Compounded or Semi-Processed Rubber	2,045	1,856	189	-	-	-
422-90	Rubber, Reclaimed	1,391	1,132	242	17	-	-
TOTAL		3,436	2,988	431	17	-	-
<u>RUBBER HOSE</u>							
493-23	Rubber Hose Wire Braided	835	609	226	-	-	-
493-29	Rubber Hose & Tubing, n.e.s.	11,498	8,919	1,151	1,024	24	380
493-39	Hose, n.e.s. with or without Couplings	12,107	11,007	385	428	103	184
TOTAL		24,440	20,535	1,762	1,452	127	564

TABLE XVIII (Cont'd)

RUBBER IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Other
<u>OTHER RUBBER PRODUCTS</u>							
291-85	Rubber Waste & Scrap	932	930	-	-	-	2
325-09	Battery Parts of Rubber	4,954	4,948	-	4	2	-
325-20	Rubber Packing	10,503	9,484	355	187	81	395
325-32	Rubber Yarn or Thread Covered or not	1,561	1,549	-	2	-	10
325-36	Washers & Gaskets, Rubber	4,944	4,602	284	12	10	36
325-40	Rubber Weather-stripping	749	726	-	14	9	-
325-46	Hard Rubber Fabricated Materials, n.e.s.	931	738	133	48	-	12
325-49	Tire & Tube Repair Materials	8,653	5,038	142	3,401	16	56
325-58	Motor Vehicle Parts of Rubber, n.e.s.	18,638	17,949	137	142	208	201
325-99	Rubber Fabricated Materials, n.e.s.	15,556	13,155	437	722	320	924
492-10	Rubber Soles & Rubber Shoe Bottoms	2,869	485	-	116	5	2,262
492-21	Rubber Heels	259	226	3	4	-	26
786-85	Gloves, Rubber	3,592	1,838	911	133	1	708
844-92	Rubber Mats & Matting	624	521	16	83	-	3

TABLE XVIII (Cont'd)

RUBBER IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Other
<u>OTHER RUBBER PRODUCTS (Cont'd)</u>							
961-18	Druggists' Sundries, Rubber	1,640	1,580	1	45	2	11
961-25	Nipples & Soothers, Rubber	832	816	9	5	2	-
961-27	Rubber Floor Mats for Automobiles	1,141	1,127	4	2	5	4
961-29	Rubber End Products, n.e.s.	1,712	1,289	190	63	69	100
TOTAL		80,090	67,001	2,622	4,983	730	4,750
GRAND TOTAL		161,517	132,680	7,952	8,569	4,677	7,631

FOOTWEAR

794-81	Waterproof Rubber Footwear, n.e.s.	8,729	311	91	108	25	8,194
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RUBBER TIRES & TUBES

621-05	Passenger Car Tires, Pneu, New	119,251	91,707	2,911	13,946	3,046	7,640
621-09	Truck & Bus Tires, Pneu, New	119,988	50,196	7,250	30,069	28,402	4,072
621-15	Tractor & Implement Tires, Pneu, New	15,157	14,850	5	98	27	177
621-20	Ind. Tires, Pneu & Semi-Pneu, New	3,742	2,133	9	18	1,286	297
621-29	Tires, Bicycle, Motorcycle, Pneu, New	3,040	398	274	282	631	1,456
621-49	Pneumatic Tires, New, n.e.s.	8,325	6,573	549	391	441	372

TABLE XVIII (Cont'd)



Class No.	Description	All Countries	USA	UK	EEC	Japan	Other
<u>RUBBER TIRES &amp; TUBES (Cont'd)</u>							
625-25	Tire Tubes for Bicycles, Motorcycles	1,153	33	4	40	88	988
625-29	Tire Tubes, n.e.s.	10,274	4,730	2,716	2,464	203	161
625-39	Solid & Cushion Tires	1,548	1,420	81	43	-	4
625-49	Rebuilt & Used Tires	1,231	416	410	211	77	116
	<b>TOTAL</b>	<b>283,709</b>	<b>172,456</b>	<b>14,209</b>	<b>47,562</b>	<b>34,201</b>	<b>15,283</b>
<u>RUBBER &amp; ALLIED GUMS, NATURAL</u>							
216-10	Latex, Natural Crude	4,046	3,840	-	-	-	206
216-20	Crude Natural Rubber Except Latex	74,779	2,714	76	116	-	71,873
216-99	Rubber Allied Gums, n.e.s. & Powdered Natural Rubber	951	590	-	14	-	347
	<b>TOTAL</b>	<b>79,776</b>	<b>7,144</b>	<b>76</b>	<b>130</b>	<b>-</b>	<b>72,426</b>

SOURCE: Statistics Canada, Catalogue 65-007, "Imports by Commodities".

TABLE XVIII (End)

RUBBER IMPORTS  
\$'000

EXPORTS, RUBBER PRODUCTS INDUSTRY BY SUB-GROUP SIC 162  
\$'000

<u>Description</u>	<u>1976</u> \$'000	<u>1977</u> \$'000	<u>%</u> <u>Change</u>
Rubber belts and belting	1,479	1,548	4.7
Rubber sheeting	854	1,096	28.3
Tire fabrics, rubber coated	846	2,329	175.2
Hose and hose couplings	9,744	15,450	58.6
Other Rubber Products	3,178	3,330	4.8
SUB TOTAL	<u>16,101</u>	<u>23,753</u>	47.5
Footwear	534	275	-48.5
Rubber tires & tubes	172,604	143,702	-16.8

SOURCE: Statistics Canada, Catalogue 65-004,  
"Exports by Commodities".

TABLE XIX

RUBBER EXPORTS  
\$'000

## EXPORTS - RUBBER PRODUCTS INDUSTRY BY CLASS AND COUNTRY SIC 162

\$'000

Class No.	Description	All Countries	USA	UK	EEC	Australia	Other
<u>RUBBER BELTS AND BELTING</u>							
321-15	Rubber Belts & Belting V-Type	125	30	-	2	-	93
321-19	Rubber Belts & Belting n.e.s.	1,423	820	94	40	-	470
	TOTAL	1,548	850	94	42	-	563
323-16	Rubber Sheeting	1,096	963	2	4	1	125
387-36	Rubber-Coated Tire Fabrics	2,329	1,017	-	26	-	1,286
493-99	Hose & Hose Couplings	15,450	14,133	67	295	44	911
<u>OTHER RUBBER PRODUCTS</u>							
291-85	Rubber Waste & Scrap	158	115	-	4	-	39
325-39	Rubber Gaskets, Washers, Packing, Weather Stripping & Similar Products	1,562	1,123	159	2	2	275
325-49	Tire & Tube Repair Material	367	69	43	159	5	89
325-99	Rubber Fabricated Materials, n.e.s.	1,243	785	23	10	15	410
	SUB TOTAL	3,330	2,092	225	175	22	813
	TOTAL	23,753	19,055	388	542	67	3,698

TABLE XX (Cont'd)

RUBBER EXPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Australia	Other
<u>FOOTWEAR</u>							
794-90	Rubber and Plastic Footwear	275	234	13	6	-	21
<u>TIRES &amp; TUBES</u>							
621-05	Passenger Car Tires Pneumatic, New	65,103	62,523	16	88	66	2,411
621-09	Truck & Bus Tires, Pneumatic, New	72,411	68,256	429	213	482	3,032
621-15	Tractor & Implement Tires Pneumatic, New	1,761	1,269	-	77	71	344
621-49	Pneumatic Tires, New, n.e.s.	169	107	1	50	-	10
625-25	Passenger Car Tire Tubes	109	44	-	-	-	65
625-29	Tire Tubes, n.e.s.	696	575	1	-	5	112
625-49	Solid, Cushion Rebuilt Used Tires	3,453	3,170	-	56	57	171
TOTAL		143,702	135,944	447	484	681	6,145

SOURCE: Statistics Canada, Catalogue 65-004,  
"Exports by Commodities".

TABLE XX (End)

RUBBER EXPORTS  
\$'000

PLASTIC FABRICATING INDUSTRY SIC 165  
 ESTIMATED VALUE OF SHIPMENTS

\$'000

<u>Description</u>	<u>1976</u> <u>\$'000</u>	<u>1977</u> <u>\$'000</u>	<u>%</u> <u>Change</u>
Plastic Fabricators, n.e.s.	1,076,798	1,220,353	13.3

SOURCE: Statistics Canada, Catalogue 31-001, "Inventories,  
 Shipments and Orders in Manufacturing Industries".

TABLE XXI

PLASTIC SHIPMENTS  
 \$'000

IMPORTS - EXPORTS PLASTIC FABRICATED PRODUCTS

<u>Description</u>	<u>1976</u> \$'000	<u>1977</u> \$'000	<u>%</u> <u>Change</u>
<u>IMPORTS</u>			
Plastic Film & Sheets	90,741	106,074	+ 16.9
Laminated Plastic Material	12,647	17,908	+ 41.6
Plastic Fabricated Materials	97,656	110,264	+ 12.9
Shipping Containers, Plastic & Parts	27,760	29,695	+ 7.0
End Products	84,805	99,353	+ 17.2
TOTAL	313,609	363,294	+ 15.8
<u>EXPORTS</u>			
Plastic Film & Sheets	31,846	47,048	+ 47.7
Laminated Plastic Materials	517	692	+ 33.8
Plastic Fabricated Materials	26,310	36,934	+ 40.4
Shipping Containers, Plastic & Parts	6,607	10,105	+ 52.9
End Products	3,607	4,702	+ 30.4
TOTAL	68,887	99,481	+ 44.4

SOURCE: Statistics Canada, Catalogues  
 65-004, "Exports by Commodities".  
 65-007, "Imports by Commodities".

TABLE XXII

PLASTICS IMPORTS - EXPORTS  
 \$'000

IMPORTS-PLASTIC FABRICATED PRODUCTS BY CLASS AND COUNTRY  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>PLASTIC FILM AND SHEET</u>									
424-13	Polyester Film & Sheet	20,126	18,442	1,021	434	7	217	-	6
424-31	Acrylic Film & Sheet	10,313	7,485	14	1,411	-	1,049	-	354
424-33	Polyethylene Film & Sheet	11,820	10,860	26	445	-	15	423	51
424-37	Polystyrene Film & Sheet	2,040	2,019	-	16	4	-	-	1
424-44	Vinyl Chloride Film & Sheet	16,980	11,768	274	2,633	-	1,743	-	562
424-46	Vinyl Butyral Film & Sheet	13,897	13,737	-	-	102	58	-	-
424-49	Vinyl Film & Sheet, n.e.s.	7,805	7,440	26	150	2	158	-	29
424-53	Polypropylene Film & Sheet	9,770	7,200	941	661	-	921	-	47
424-56	Rubber Hydrochloride Film & Sheet	16	16	-	-	-	-	-	-
424-99	Plastic Film & Sheet, n.e.s.	13,307	12,329	75	390	1	248	-	259
	<b>TOTAL</b>	<b>106,074</b>	<b>91,296</b>	<b>2,377</b>	<b>6,140</b>	<b>116</b>	<b>4,409</b>	<b>423</b>	<b>1,309</b>
425-40	Laminated Plastic Material Fabric Base	1,402	1,304	34	46	-	16	-	2
425-47	Decor, Laminated Plastic, Paper Base	1,492	1,232	-	14	-	-	-	246
425-49	Laminated Plastics Materials, n.e.s.	15,014	13,110	139	211	13	130	-	1,412
	<b>TOTAL</b>	<b>17,908</b>	<b>15,646</b>	<b>173</b>	<b>271</b>	<b>13</b>	<b>146</b>	<b>-</b>	<b>1,660</b>

TABLE XXIII (Cont'd)

PLASTICS IMPORTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<b>FABRICATED MATERIALS</b>									
425-12	Layflat Tubing Plastic	1,824	1,371	-	85	-	297	-	71
425-15	Pipe, Tubes & Rigid or Semi Rigid Tubing, Plastic (except Laminated)	7,112	6,795	85	161	-	8	-	62
425-24	Blocks, Rods, Bars, Angles Channels & Similar Shapes Plastic (except Expanded or Laminated)	1,059	851	2	208	-	-	-	-
425-31	Foamed & Expanded Plastics Basic Shapes & Forms	12,899	12,330	282	160	41	35	-	50
425-55	Plastic Sheet, Reinforced (except Laminated)	2,730	2,281	131	73	-	141	-	103
425-62	Plastic Handles & Knobs	1,993	1,886	2	32	5	10	-	58
425-64	Plastic Pipe Fittings	4,341	4,129	10	188	-	-	-	13
425-77	Vulcanized Fibre Materials	1,206	1,168	10	10	16	-	-	1
425-90	Plastic Tape	4,055	2,749	246	557	33	195	-	276
425-99	Plastic Fabricated Material, n.e.s.	25,195	21,380	504	1,873	465	523	-	449
494-35	Floor & Wall Tiles, Solid Vinyl	804	339	-	73	-	-	-	391
494-44	Floor & Wall Tiles, Vinyl Asbestos	208	193	-	-	-	14	-	-
494-59	Plastic Wall Covering	4,467	3,426	719	306	-	-	-	17
494-63	Vinyl Surface Felt Base Floor Covering	1,532	1,523	10	-	-	-	-	-
494-65	Vinyl Floor Covering Cushioned	28,139	27,531	95	193	-	-	-	321
494-69	Plastic Floor Covering	7,378	6,513	101	205	-	-	-	559

TABLE XXIII (Cont'd)

PLASTICS IMPORTS  
\$'000



Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
494-87	Linoleum Flooring Wall Covering, n.e.s.	1,330	391	833	107	-	-	-	-
494-88	Cove Base Plastic or Rubber	2,348	2,294	51	3	-	-	-	-
494-89	Flooring & Wall Covering n.e.s.	1,463	1,163	110	83	-	5	-	100
496-93	Weather Stripping of Two or more Materials	181	178	3	-	-	-	-	-
	TOTAL	110,264	98,491	3,194	4,317	560	1,228	-	2,471
<u>SHIPPING CONTAINERS, PLASTIC &amp; PARTS</u>									
950-78	Plastic Bottles, Vials & Ampoules	4,433	4,056	41	141	-	74	-	120
950-79	Shipping & Distribution Containers, Plastic & Parts, n.e.s.	19,602	15,353	571	1,333	8	192	-	2,145
950-88	Bottle Caps, Plastic	5,660	5,186	234	149	8	7	1	74
	TOTAL	29,695	24,595	846	1,623	16	273	1	2,339
<u>END PRODUCTS</u>									
705-04	Laboratory Plastic Ware	3,703	3,439	109	61	-	34	-	61
786-83	Gloves, Mittens, Plastic	5,377	2,882	183	1	-	155	-	2,159
850-68	Tableware, Plastic	6,792	6,176	85	305	1	55	-	171
944-18	Buttons, Plastic	1,003	637	62	191	17	83	-	13
961-99	Plastic End Products, n.e.s.	82,478	69,728	2,085	4,667	203	871	43	4,882
	TOTAL	99,353	82,862	2,524	5,225	221	1,198	43	7,286
	GRAND TOTAL	363,294	312,890	9,114	17,576	926	7,254	467	15,065

SOURCE: Statistics Canada, Catalogue 65-007, "Imports by Commodities".

TABLE XXIII (End)

PLASTICS IMPORTS  
\$'000

EXPORTS - PLASTIC FABRICATED PRODUCTS BY CLASS AND COUNTRY  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
424-99	Plastic Film & Sheet	47,048	22,330	2,643	826	50	7,477	13,725
425-49	Laminated Plastic Materials	692	235	32	11	-	57	355
<u>Fabricated Materials</u>								
425-20	Plastic Pipe, Tubing and Hosing	6,422	4,669	53	34	-	34	1,631
425-99	Plastic Fabricated Materials	18,996	15,535	678	286	4	180	2,314
494-59	Floor & Ceiling Tiles, n.e.s.	3,247	2,134	-	3	14	106	987
494-89	Floor & Wall Covering, n.e.s.	8,269	2,377	1,020	898	1,189	1,178	1,507
	TOTAL	36,934	24,815	1,751	1,221	1,207	1,498	6,439
<u>SHIPPING CONTAINERS, PLASTIC AND PARTS</u>								
950-76	Plastic Bags	2,734	1,035	72	339	-	15	1,274
950-77	Plastic Bottles, Vials & Ampoules	3,086	2,978	26	1	-	12	69
950-79	Shipping Containers, Plastic & Parts	4,285	3,530	220	40	26	29	440
	SUB-TOTAL	10,105	7,543	318	380	26	56	1,783
961-90	End Products	4,702	4,351	39	57	38	51	164
	TOTAL	99,481	59,274	4,783	2,495	1,321	9,139	22,466

SOURCE: Statistics Canada, Catalogue 65-004, "Exports by Commodities".

TABLE XXIV

PLASTICS EXPORTS

PRODUCTION OF CRUDE PETROLEUM & NATURAL GAS INDUSTRY SIC 064

<u>Description</u>	<u>1976</u> \$'000	<u>1977</u> <sup>(p)</sup> \$'000	<u>%</u> <u>Change</u>
Crude Petroleum	4,053,888	4,917,314	+ 21.3
Natural Gas	2,649,218	3,443,129	+ 30.0
Natural Gas By-Products	798,906	981,533	+ 22.9
Sulphur in Smelter Gas	18,582	20,185	+ 8.6
Sulphur, Elemental	70,171	72,717	+ 3.6

(p) Preliminary estimate

SOURCE: Statistics Canada, Catalogue 26-202,  
"Canada's Mineral Production".

TABLE XXV

CRUDE PETROLEUM & NATURAL GAS  
PRODUCTION  
\$'000

IMPORTS OF CRUDE PETROLEUM AND NATURAL GAS INDUSTRY SIC 064

<u>Description</u>	<u>1976</u> \$'000	<u>1977</u> \$'000	<u>%</u> <u>Change</u>
Crude Petroleum	3,272,640	3,243,187	- 0.9
Natural Gas	8,818	43	- 99.5
Bituminous Substances	5,169	4,147	- 19.8
Liquified Petroleum Gases	3,471	2,843	- 18.1
Sulphur	1,111	774	- 30.3
TOTAL	3,309,440	3,250,994	- 1.8

SOURCE: Statistics Canada, Catalogue 65-007,  
"Imports by Commodities".

TABLE XXVI

CRUDE PETROLEUM & NATURAL GAS IMPORTS

IMPORTS OF CRUDE PETROLEUM AND NATURAL GAS INDUSTRY BY COUNTRYJANUARY-DECEMBER 1977

\$'000

Class No.	Description	All Countries	USA	UK	EEC	Middle East	Venezuela	Other
264-10	Crude Petroleum	3,243,187	283,880	7,283	-	1,426,516	1,318,808	206,698
264-31	Natural Gas	43	43	-	-	-	-	-
<u>BITUMINOUS SUBSTANCES</u>								
264-32	Asphalt, Natural	612	609	-	-	-	-	3
264-99	Crude Bituminous Substances, n.e.s.	3,535	304	-	76	-	3,144	10
	SUB TOTAL	4,147	913	-	76	-	3,144	13
439-65	Liquified Petroleum Gases	2,843	2,796	29	15	-	-	4
279-77	Sulphur, Crude or Refined	774	774	-	-	-	-	-
	TOTAL	3,250,994	288,406	7,312	91	1,426,516	1,321,952	206,715

SOURCE: Statistics Canada, Catalogue 65-007, "Imports by Commodities".

TABLE XXVII

EXPORTS OF CRUDE PETROLEUM AND NATURAL GAS INDUSTRY SIC 064

<u>Description</u>	<u>1976</u> \$'000	<u>1977</u> \$'000	<u>%</u> <u>Change</u>	
Crude Petroleum	2,286,675	1,750,637	- 23.5	
Natural Gas	1,616,490	2,028,053	+ 25.5	
Bituminous Substances	3,503	54,725	+1462.2	
Liquified Petroleum Gases	350,027	448,613	+ 28.2	
Sulphur	110,045	122,075	+ 10.9	
SIC 064	TOTAL	4,366,740	4,404,103	+ 0.9

SOURCE: Statistics Canada, Catalogue 65-004,  
"Exports by Commodities".

TABLE XXVIII

EXPORTS CRUDE PETROLEUM AND NATURAL GAS  
\$'000

EXPORTS OF CRUDE PETROLEUM AND NATURAL GAS INDUSTRY BY COUNTRY  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
264-10	Crude Petroleum	1,750,637	1,750,637	-	-	-	-	-
264-31	Natural Gas	2,028,053	2,028,053	-	-	-	-	-
264-99	Crude Bituminous Substances, n.e.s.	54,725	54,725	-	-	-	-	-
<u>Liquified Petroleum Gases</u>								
439-62	Butane	155,224	155,213	-	-	-	-	11
439-63	Propane	293,389	260,648	5	-	32,716	-	19
	SUB TOTAL	448,613	415,861	5	-	32,716	-	30
<u>Sulphur, Crude or Refined</u>								
279-75	Sulphur in Ores	212	212	-	-	-	-	-
279-77	Sulphur, Crude or Refined, n.e.s.	122,075	18,701	2,129	16,120	-	12,839	72,285
	SUB TOTAL	122,287	18,913	2,129	16,120	-	12,839	72,285
	TOTAL	4,404,315	4,268,189	2,134	16,120	32,716	12,839	72,315

SOURCE: Statistics Canada, Catalogue 65-004,  
"Exports by Commodities".

TABLE XXIX

EXPORTS CRUDE PETROLEUM AND NATURAL GAS  
\$'000

PETROLEUM REFINERIES SIC 365

ESTIMATED VALUE OF SHIPMENTS

<u>Description</u>	<u>1976</u> <u>\$'000</u>	<u>1977</u> <u>\$'000</u>	<u>%</u> <u>Change</u>
Petroleum Refineries (1)	6,853,872	8,191,047	+ 19.5

(1) Includes petroleum refining and manufacturing of lubricating oils and greases.

SOURCE: Statistics Canada, Catalogue 31-001, "Inventories, Shipments and Orders in Manufacturing Industries".

TABLE XXX

PETROLEUM REFINERY SHIPMENTS  
\$'000



IMPORTS OF PETROLEUM AND COAL PRODUCTS BY SUB-GROUP  
\$'000

<u>Description</u>	<u>1976</u> \$'000	<u>1977</u> \$'000	<u>%</u> <u>Change</u>
<u>Petroleum Refineries SIC 365</u>			
Gasoline	1,517	358	- 76.4
Fuel Oil	78,796	116,487	47.8
Other Refinery Products	15,778	12,091	- 23.4
Lubricating Oils & Greases	46,363	56,852	22.6
SIC 365 TOTAL	142,454	185,788	30.4
<u>Miscellaneous Petroleum &amp; Coal Products</u>			
SIC 369 TOTAL	75,252	114,816	52.6
GRAND TOTAL	217,706	300,604	38.1

SOURCE: Statistics Canada, Catalogue 65-007,  
"Imports by Commodities".

TABLE XXXI

IMPORTS PETROLEUM & COAL PRODUCTS  
\$'000

IMPORTS - PETROLEUM AND COAL PRODUCTS BY COUNTRY  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Neth. Antilles	Venezuela	Other
<u>PETROLEUM REFINERIES SIC 365</u>								
<u>Gasoline</u>								
431-09	Aviation Gasoline	353	353	-	-	-	-	-
431-49	Motor Gasoline, n.e.s.	5	5	-	-	-	-	-
	TOTAL	358	358	-	-	-	-	-
<u>Fuel Oil</u>								
432-09	Aviation Turbine Fuel	3,494	79	-	1,952	1,463	-	-
432-19	Diesel and Tractor Fuel	5,613	63	-	-	5,549	-	-
432-25	Kerosene, n.e.s (including Gas Oil)	13	10	-	-	3	-	-
432-40	Fuel Oil No. 1 (Stove Oil)	6	5	-	-	-	-	-
432-45	Fuel Oil (No. 2 & 3) (Furnace & Light Fuel Oil)	11,928	1,124	-	-	9,271	1,179	355
432-59	Fuel Oil, n.e.s. (Heavy Oil)	95,433	23,390	-	-	24,412	31,196	16,436
	TOTAL	116,487	24,671	-	1,952	40,698	32,375	16,791
<u>OTHER REFINERY PRODUCTS</u>								
439-20	Naphtha	1,281	1,281	-	-	-	-	-
439-29	Refined Mineral Oils, n.e.s (Except Chemicals)	7,400	6,568	801	5	-	-	25
439-45	Petroleum Jelly	1,093	1,093	-	-	-	-	-

TABLE XXXII (Cont'd)

IMPORTS PETROLEUM & COAL PRODUCTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Neth. Antilles	Venezuela	Other
<u>OTHER REFINERY PRODUCTS (Cont'd)</u>								
439-50	Paraffin Wax, Crude	527	527	-	-	-	-	-
439-55	Microcrystalline Wax	477	477	-	-	-	-	-
439-59	Paraffin Wax, Refined, n.e.s.	1,313	1,268	9	33	-	-	3
	TOTAL	12,091	11,214	810	38	-	-	28
<u>Lubricating Oils and Greases</u>								
433-29	Cutting, Penetrating & Lubricating Oils	48,155	39,550	249	2,065	-	-	6,290
433-49	Lubricating Greases	8,697	8,534	53	49	-	-	61
	TOTAL	56,852	48,084	302	2,114	-	-	6,351
PETROLEUM REFINERIES	TOTAL	185,788	84,327	1,112	4,104	40,698	32,375	23,170
<u>MISCELLANEOUS PETROLEUM &amp; COAL PRODUCTS SIC 369</u>								
435-30	Petroleum Coke Pitch Coke	43,923	41,557	2,367	-	-	-	-
435-49	Coke, n.e.s.	44,393	38,485	1	5,907	-	-	-
439-09	Refined Asphalts & Road Oils	1,841	1,827	1	9	-	-	5
439-41	Coal Tar & Coal Pitch	13,542	7,860	2,353	866	-	-	2,463

TABLE XXXII (Cont'd)

IMPORTS PETROLEUM & COAL PRODUCTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Neth. Antilles	Venezuela	Other
<u>MISCELLANEOUS PETROLEUM &amp; COAL PRODUCTS (Cont'd)</u>								
439-95	Petroleum Products n.e.s. (Except Chemicals)	8,551	7,641	148	762	-	-	-
261-89	Coal & Coke Briquettes	2,299	2,299	-	-	-	-	-
439-97	Coal Products n.e.s. (Except Chemicals)	267	265	-	2	-	-	-
<u>MISCELLANEOUS PETROLEUM &amp; COAL PRODUCTS TOTAL</u>		<u>114,816</u>	<u>99,934</u>	<u>4,870</u>	<u>7,546</u>	<u>-</u>	<u>-</u>	<u>2,468</u>
<u>PETROLEUM AND COAL PRODUCTS GRAND TOTAL</u>		<u>300,604</u>	<u>184,261</u>	<u>5,982</u>	<u>11,650</u>	<u>40,698</u>	<u>32,375</u>	<u>25,638</u>

SOURCE: Statistics Canada, Catalogue 65-007,  
"Imports by Commodities".

TABLE XXXII (End)

IMPORTS PETROLEUM & COAL PRODUCTS  
\$'000

EXPORTS OF PETROLEUM AND COAL PRODUCTS BY SUB-GROUP

<u>Description</u>	<u>1976</u> <u>\$'000</u>	<u>1977</u> <u>\$'000</u>	<u>%</u> <u>Change</u>
<u>Petroleum Refineries SIC 365</u>			
Gasoline	40,857	38,938	- 4.7
Fuel Oil	136,447	113,333	-16.9
Lubricating Oils & Greases	<u>1,047</u>	<u>1,272</u>	21.5
SIC 365 TOTAL	178,351	153,543	-13.9
<u>Miscellaneous Petroleum &amp; Coal Products SIC 369</u>			
Coke of Petroleum and Coal	19,162	27,854	45.4
Other Petroleum and Coal Products	<u>10,082</u>	<u>19,378</u>	92.2
SIC 369 TOTAL	<u>29,244</u>	<u>47,232</u>	61.5
Petroleum and Coal Products - TOTAL	<u><u>207,595</u></u>	<u><u>200,775</u></u>	- 3.4

SOURCE: Statistics Canada, Catalogue 65-004,  
"Exports by Commodities".

TABLE XXXIII

EXPORTS PETROLEUM & COAL PRODUCTS  
\$'000

EXPORTS OF PETROLEUM AND COAL PRODUCTS BY COUNTRY  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	St. Pierre & Miquelon	Other
<u>GASOLINE</u>							
431-99	Gasoline	38,938	28,272	-	4,258	323	6,084
<u>FUEL OIL</u>							
432-49	Fuel Oil No. 1,2,3 (Stove, Furnace & Light Fuel Oil)	21,785	14,015	-	-	1,800	5,970
432-59	Fuel Oil Heavy No. 4,5, 6 & Bunker Oils	84,566	84,531	-	-	35	-
432-69	Fuel Oil, n.e.s.	6,982	3,549	-	-	3,426	7
	TOTAL	113,333	102,095	-	-	5,261	5,977
<u>LUBRICATING OILS &amp; GREASES</u>							
433-99	Lubricating Oils & Grease	1,272	682	65	108	143	274
<u>PETROLEUM COKE &amp; PITCH COKE</u>							
261-89	Coal & Coke Briquettes	-	-	-	-	-	-
435-30	Petroleum Coke and Pitch Coke	15,667	9,939	1,662	-	-	4,066
435-49	Coke, n.e.s.	12,187	10,305	-	1,882	-	-
	TOTAL	27,854	20,244	1,662	1,882	143	4,066

TABLE XXXIV

EXPORTS PETROLEUM & COAL PRODUCTS  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	St. Pierre & Miquelon	Other
<u>OTHER PETROLEUM AND COAL PRODUCTS</u>							
439-09	Refined Asphalts & Road Oils	6,584	6,003	390	23	5	162
439-41	Coal Tar and Coal Pitch	1,072	1,072	-	-	-	-
439-99	Petroleum & Coal Products, n.e.s.	11,722	10,806	239	19	57	602
	TOTAL	19,378	17,881	629	42	62	764
	GRAND TOTAL	200,775	169,174	2,356	6,290	5,789	17,165

SOURCE: Statistics Canada, Catalogue 65-004,  
"Exports by Commodities".

TABLE XXXIV (End)

EXPORTS PETROLEUM & COAL PRODUCTS  
\$'000

IMPORTS OF SCIENTIFIC AND PROFESSIONAL EQUIPMENT  
SELECTED HEALTH CARE ITEMS BY SUB-GROUP

SIC 391

<u>Description</u>	<u>1976</u> \$'000	<u>1977</u> \$'000	<u>%</u> <u>Change</u>
Surgical and Medical Supplies	74,152	104,454	40.9
Dental Supplies	19,960	22,747	14.0
Ophthalmic Goods	41,055	52,802	28.6
Hearing Aids and Parts	5,309	6,017	13.3
Orthopaedic Appliances	5,718	6,778	18.5
Medical Instruments and Related Products	155,937	178,017	14.2
TOTAL	<u>302,131</u>	<u>370,815</u>	22.7

SOURCE: Statistics Canada, Catalogue 65-007,  
 "Imports by Commodities".

TABLE XXXV

HEALTH CARE ITEMS IMPORTS  
 \$'000



IMPORTS OF SCIENTIFIC & PROFESSIONAL EQUIPMENT  
SELECTED HEALTH CARE ITEMS BY COUNTRY  
 \$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>SURGICAL AND MEDICAL SUPPLIES</u>									
881-13	Bandages, surgical gauze, absorbent cotton and dressings	8,056	6,310	1,071	550	-	5	-	121
881-20	Sutures, suture needles and sutures with needles	5,930	4,766	20	856	67	7	-	214
881-31	Blood handling, analysing, collecting and processing supplies	9,871	6,756	107	-	-	102	-	2,905
881-41	Urinary and ostomy appliances, supplies and parts	2,693	2,493	14	187	-	-	-	-
881-51	Catheters, bougies, drains and sondes	4,043	3,341	611	10	-	81	-	-
881-71	Hospital supplies of chemical origin	20,626	16,306	947	2,065	97	147	-	1,063
881-81	Surgical implants	6,672	6,071	48	245	264	-	-	45
881-94	Disposable syringes, syringe needles and parts	8,844	8,460	16	23	9	335	-	1
881-97	Disposable medical and surgical instruments and kits n.e.s.	16,874	14,098	479	1,113	32	41	4	1,107
881-99	Medical, surgical and hospital supplies n.e.s.	20,845	18,050	514	783	40	104	18	1,339
<b>SURGICAL AND MEDICAL SUPPLIES TOTAL</b>		<b>104,454</b>	<b>86,651</b>	<b>3,827</b>	<b>5,832</b>	<b>509</b>	<b>822</b>	<b>22</b>	<b>6,795</b>

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>DENTAL SUPPLIES</u>									
882-04	Artificial teeth, dentures and parts	4,084	3,436	11	407	143	30	-	57
882-99	Dental supplies n.e.s.	18,663	16,285	314	1,094	560	182	-	227
DENTAL SUPPLIES TOTAL		22,747	19,721	325	1,501	703	212	-	284
<u>OPHTHALMIC GOODS</u>									
883-12	Spectacle and eyeglass frames	20,056	3,057	72	13,054	348	706	-	2,821
883-14	Sunglasses, complete with lenses	10,298	3,587	471	2,991	69	1,848	202	1,132
883-16	Spectacles and eyeglasses complete with lenses n.e.s.	270	147	2	23	1	73	-	25
883-19	Parts for spectacle and eyeglass frames	5,349	3,296	33	1,186	206	88	-	541
883-99	Ophthalmic goods n.e.s.	16,829	12,272	911	2,328	34	705	-	580
OPHTHALMIC GOODS TOTAL		52,802	22,359	1,489	19,582	658	3,420	202	5,099
<u>HEARING AIDS</u>									
884-99	Hearing aids and parts	6,017	3,941	30	1,702	225	5	-	113
HEARING AIDS TOTAL		6,017	3,941	30	1,702	225	5	-	113
<u>ORTHOPAEDIC APPLIANCES</u>									
885-52	Artificial limbs (prosthetic) and parts	1,199	974	88	27	111	-	-	-
885-54	Elastic hosiery	646	592	7	27	20	-	-	-

TABLE XXXVI (Cont'd)

IMPORTS HEALTH CARE  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>ORTHOPAEDIC APPLIANCES (Cont'd)</u>									
885-71	Wheel chairs, invalid chairs and parts	1,854	1,695	75	78	2	-	-	4
885-99	Orthopaedic appliances and parts n.e.s.	3,079	2,767	141	100	18	19	-	35
<u>ORTHOPAEDIC APPLIANCES TOTAL</u>		<u>6,778</u>	<u>6,028</u>	<u>311</u>	<u>232</u>	<u>151</u>	<u>19</u>	<u>-</u>	<u>39</u>

MEDICAL AND RELATED INSTRUMENTS AND EQUIPMENT

706-09	Physiological monitoring and recording equipment, systems, accessories and parts	20,839	18,515	412	695	2	43	-	1,173
706-19	Electro-medical and electro-surgical equipment, apparatus and parts n.e.s.	4,442	3,897	54	378	5	49	-	59
706-31	Surgical instruments of steel, accessories and parts	23,068	19,294	928	1,935	90	210	-	612
706-39	Medical diagnostic instruments n.e.s.	16,898	13,967	399	1,184	28	1,123	2	196
706-51	Dental instruments, equipment, accessories and parts	14,826	13,513	76	596	121	475	-	43
706-69	Ophthalmic equipment, apparatus, accessories and parts	2,072	1,646	44	71	172	128	-	9

TABLE XXXVI (Cont'd)

IMPORTS HEALTH CARE  
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>MEDICAL AND RELATED INSTRUMENTS AND EQUIPMENT (Cont'd)</u>									
706-79	Physiotherapy and veterinary instruments, equipment and parts	2,383	2,046	59	241	22	10	-	6
706-81	Sterilizers, autoclaves and parts (except industrial)	3,665	3,445	133	54	-	-	-	34
706-83	Anaesthetic, and oxygen administering equipment, accessories and parts	6,907	6,533	287	21	-	-	-	65
706-89	Medical and hospital equipment and parts n.e.s.	20,342	18,459	450	797	45	36	-	555
707-29	Optical apparatus and instruments and parts n.e.s.	10,525	7,179	666	475	77	1,981	-	148
709-09	X-ray and related equipment and parts	52,050	37,032	450	12,477	304	549	-	1,237
<u>MEDICAL AND RELATED INSTRUMENTS AND EQUIPMENT TOTAL</u>		<u>178,017</u>	<u>145,526</u>	<u>3,958</u>	<u>18,924</u>	<u>866</u>	<u>4,604</u>	<u>2</u>	<u>4,137</u>
GRAND TOTAL		<u>370,815</u>	<u>284,226</u>	<u>9,940</u>	<u>47,773</u>	<u>3,112</u>	<u>9,082</u>	<u>226</u>	<u>16,467</u>

SOURCE: Statistics Canada, Catalogue 65-007,  
"Imports by Commodities".

TABLE XXXVI (End)

IMPORTS HEALTH CARE  
\$'000

EXPORTS OF SCIENTIFIC & PROFESSIONAL EQUIPMENT  
SELECTED HEALTH CARE ITEMS BY SUB-GROUP

<u>Description</u>	1976 \$'000	1977 \$'000	% <u>Change</u>
Surgical and Medical Supplies	5,408	6,056	+ 30.5
Dental Supplies	2,999	3,660	+ 22.0
Ophthalmic Goods	11,243	15,505	+ 37.9
Hearing Aids & Orthopaedic Applicances and Parts	682	1,161	+ 70.2
Medical & Related Instruments and Parts	29,987	31,824	+ 6.1
TOTAL	50,319	58,206	+ 15.7

SOURCE: Statistics Canada, Catalogue 65-004,  
 "Exports by Commodities".

TABLE XXXVII

HEALTH CARE ITEMS EXPORTS  
 \$'000

EXPORTS OF SCIENTIFIC & PROFESSIONAL EQUIPMENT  
 SELECTED HEALTH CARE ITEMS BY COUNTRY  
 \$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
<u>SURGICAL AND MEDICAL SUPPLIES</u>								
881-13	Bandages, dressings, surgical gauze	2,470	2,110	65	140	-	12	142
881-99	Medical and surgical supplies, n.e.s.	3,586	1,689	272	633	349	92	551
SURGICAL & MEDICAL SUPPLIES TOTAL		6,056	3,799	337	773	349	104	693
<u>DENTAL SUPPLIES</u>								
882-99	Dental supplies	3,660	1,788	178	312	717	41	622
<u>OPHTHALMIC GOODS</u>								
883-20	Ophthalmic lenses	3,463	605	212	632	571	270	1,172
883-99	Ophthalmic goods, n.e.s.	8,382	2,473	320	1,929	518	182	2,964
DENTAL SUPPLIES TOTAL		15,505	4,866	710	2,873	1,806	493	4,758
<u>HEARING AIDS, ORTHOPAEDIC APPLIANCES &amp; PARTS</u>								
885-99	Hearing aids, orthopaedic appliances and parts	1,161	328	1	614	92	23	104
<u>MEDICAL &amp; RELATED INSTRUMENTS &amp; PARTS</u>								
706-99	Medical & related instrument equipment and parts, n.e.s.	9,254	6,274	299	1,121	46	398	1,116
707-99	Optical instruments & parts	1,176	862	6	212	1	14	82
709-99	X-ray & related equipment and parts	21,394	14,409	258	1,857	52	242	4,575
MEDICAL & RELATED INSTRUMENTS AND PARTS TOTAL		31,824	21,545	563	3,190	99	654	5,773

SOURCE: Statistics Canada, Catalogue 65-004,  
 "Exports by Commodities".

TABLE XXXVIII

EXPORTS HEALTH CARE  
 \$'000

CAPITAL AND REPAIR EXPENDITURES1975-1977 (1)

		Capital			Repairs			Capital and repairs Total
		Con- struc- tion	Machinery and Equipment	Sub- Total	Con- struc- tion	Machinery and Equipment	Sub- Total	
(millions of dollars)								
<u>CHEMICAL AND CHEMICAL</u>								
<u>PRODUCTS INDUSTRIES</u>								
1. Mixed fertilizers	1975	0.7	3.0	3.7	0.9	5.9	6.8	10.5
	1976	0.4	2.7	3.1	1.0	6.1	7.1	10.2
	1977	3.2	7.8	11.0	0.8	5.2	6.0	17.0
2. Plastics and synthetic	1975	14.5	50.7	65.2	0.9	17.6	18.5	83.7
	1976	11.3	58.3	69.6	1.0	23.1	24.1	93.7
	1977	9.6	42.0	51.6	1.9	24.5	26.4	78.0
3. Pharmaceuticals and medicines	1975	17.4	16.4	33.8	2.3	5.1	7.4	41.2
	1976	10.6	13.7	24.3	3.0	5.7	8.7	33.0
	1977	14.7	16.6	31.3	3.0	6.1	9.1	40.4
4. Paint and Varnish	1975	1.9	6.6	8.5	1.3	3.6	4.9	13.4
	1976	4.5	6.8	11.3	1.2	3.4	4.6	15.9
	1977	2.8	9.4	12.2	1.2	3.9	5.1	17.3
5. Soap and cleaning compound	1975	1.4	9.2	10.6	0.9	8.5	9.4	20.0
	1976	2.1	18.0	20.1	1.0	8.8	9.8	29.9
	1977	3.6	14.9	18.5	1.0	12.3	13.3	31.8
6. Toilet preparations	1975	2.3	3.8	6.1	0.9	1.2	2.1	8.2
	1976	2.6	4.5	7.1	1.0	1.1	2.1	9.2
	1977	3.3	5.2	8.5	1.6	1.7	3.3	11.8
7. Industrial chemicals	1975	327.4	487.6	815.0	17.5	128.1	145.6	960.6
	1976	390.8	638.6	1,029.4	21.2	162.8	184.0	1,213.4
	1977	425.6	667.1	1,092.7	51.2	188.3	239.5	1,332.2

TABLE XXXIX

CAPITAL REPAIR EXPENDITURE

		Capital			Repairs			Capital and repairs Total
		Con- struc- tion	Machinery and equipment	Sub- Total	Con- struc- tion	Machinery and equipment	Sub- Total	
(millions of dollars)								
<u>CHEMICAL AND CHEMICAL PRODUCTS INDUSTRIES</u>								
<u>CONF'D</u>								
8. Other chemical and chemical products	1975	9.1	22.5	31.6	3.8	16.1	19.9	51.5
	1976	8.4	18.6	27.0	3.8	16.5	20.3	47.3
	1977	12.8	30.4	43.2	4.2	16.6	20.8	64.0
Sub-total (Items 1 to 8)	1975 (2)	374.7	599.8	974.5	28.5	186.1	214.6	1,189.1
	1976 (2)	430.7	761.2	1,191.9	33.2	227.5	260.7	1,452.6
	1977 (2)	475.6	793.4	1,269.0	65.1	258.6	323.7	1,592.5
<u>RUBBER INDUSTRIES...</u>	1975	15.1	64.8	79.9	3.6	37.0	40.6	120.5
	1976	9.0	41.2	50.2	4.3	52.5	56.8	107.0
	1977	9.1	55.8	64.9	2.3	58.8	63.2	128.1
<u>PLASTICS FABRICATING INDUSTRY...</u>	1975	7.9	35.6	43.5	2.0	17.9	19.9	63.4
	1976	7.9	32.4	40.3	2.7	21.3	24.0	64.3
	1977	5.7	33.3	39.0	2.2	19.0	21.2	60.2
<u>PETROLEUM AND COAL PRODUCTS INDUSTRIES...</u>	1975	337.5	112.9	450.4	96.1	37.0	133.1	583.5
	1976	255.9	88.3	344.2	101.2	35.8	137.0	481.2
	1977	278.5	98.9	377.4	124.5	43.2	167.7	545.1
<u>MANUFACTURING - TOTAL -</u>	1975	1,568.5	3,952.9	5,521.4	381.0	2,064.1	2,445.1	7,966.5
	1976	1,439.7	4,025.6	5,465.3	438.2	2,453.2	2,891.4	8,356.7
	1977	1,676.8	4,329.9	6,006.7	478.1	2,435.0	2,913.1	8,919.8

(1) 1975 actual expenditures, 1976 and 1977 are, respectively, preliminary estimates and intentions, Statistics Canada catalogue, "Investment Statistics" (61-214).

(2) The totals for all major groups equal the totals published in Statistics Canada catalogue, "Private and Public Investment in Canada, Outlook 1978" (61-205).



CAPITAL AND REPAIR EXPENDITURES  
1976-1978 (1)

		Capital			Repairs			Capital and repairs Total
		Con- struc- tion	Machinery and equipment	Sub- Total	Con- struc- tion	Machinery and equipment	Sub- Total	
(millions of dollars)								
<u>CHEMICAL AND CHEMICAL PRODUCTS INDUSTRIES...</u>	1976	430.7	761.2	1,191.9	33.2	227.5	260.7	1,452.6
	1977	475.6	793.4	1,269.0	64.9	258.6	323.5	1,592.5
	1978	546.5	851.7	1,398.2	67.8	273.7	341.5	1,739.7
<u>RUBBER AND PLASTICS PRODUCTS INDUSTRIES...</u>	1976	16.9	73.6	90.5	7.0	73.8	80.8	171.3
	1977	14.8	89.1	103.9	6.6	77.8	84.4	188.3
	1978	12.2	91.4	103.6	7.5	80.2	87.7	191.3
<u>PETROLEUM AND COAL PRODUCTS INDUSTRIES...</u>	1976	255.9	88.3	344.2	101.2	35.8	137.0	481.2
	1977	278.5	98.9	377.4	124.5	43.2	167.7	545.1
	1978	209.9	83.5	293.4	140.0	45.4	185.4	478.8
<u>MANUFACTURING - TOTAL -</u>	1976(2)	1,439.7	4,025.6	5,465.3	438.2	2,453.2	2,891.4	8,356.7
	1977(2)	1,676.8	4,329.9	6,006.7	478.1	2,435.0	2,913.1	8,919.8
	1978(2)	1,627.2	4,669.1	6,296.3	519.5	2,641.4	3,160.9	9,457.2

(1) 1976 actual expenditures, 1977 and 1978 are, respectively, preliminary estimates and intentions.

(2) The totals for all major groups equal the totals published in Statistics Canada catalogue, "Private and Public Investment in Canada, Outlook 1978" (61-205).

CHEMICALS BRANCH STATISTICAL REVIEW

REFERENCE LIST

<u>Statistics Canada Catalogue No.</u>	<u>Description</u>
26-202	Canada's Mineral Production
31-001	Inventories, Shipments and Orders in Manufacturing Industries
46-002	Specified Chemicals
61-005	Indexes of Real Domestic Product by Industry
61-205	Private and Public Investment in Canada, Outlook 1978
61-214	Investment Statistics
65-004	Exports by Commodities
65-007	Imports by Commodities

