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1978

ISSN 0708-4560

**CHEMICALS BRANCH
STATISTICAL REVIEW
1978**



Government
of Canada

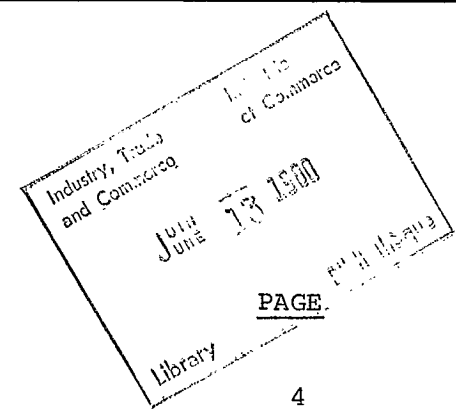
Gouvernement
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Industrie
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CHEMICALS & CHEMICAL PRODUCTS
Estimated Value of Shipments

<u>DESCRIPTION</u>	CALENDAR YEAR	CALENDAR YEAR	%
	1977	1978 (p)	<u>CHANGE</u>
	\$'000	\$'000	
Mixed Fertilizers	228,726	176,592	- 22.8
Plastics & Synthetic Resins	596,707	736,871	23.5
Pharmaceuticals & Medicines	765,896	948,275	23.8
Paint & Varnish	531,567	647,815	21.9
Soap & Cleaning Compounds	488,768	501,259	2.6
Toilet Preparations	339,855	423,436	24.6
Industrial Chemicals	2,601,156	3,244,520	24.7
Printing Inks	81,815	98,684	20.6
Other Chemicals	<u>900,287</u>	<u>1,172,834</u>	30.3
TOTAL	6,534,777	7,950,286	21.7

(p) Preliminary

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

TABLE I

CHEMICAL SHIPMENTS

PRODUCTION OF SPECIFIED CHEMICALS

<u>DESCRIPTION</u>	<u>UNIT OF QUANTITY</u>	<u>CALENDAR YEAR</u>		<u>% CHANGE</u>
		<u>1977</u>	<u>1978</u>	
Acetylene	M. cu. ft.	255,750	250,823	- 1.9
Oxygen Gas and Liquid	M. cu. ft.	4,295,546	5,474,340	27.4
Benzol (Benzene)	Bbl.	2,741,053	3,491,307	27.4
Hydrochloric (Muriatic Acid as 100%)	Ton	150,155	170,385	13.5
Phosphoric Wet Process (as 100% P ₂ O ₅)	Ton	612,543 ^r	563,166	- 8.1
Sulphuric Acid, All Grades Including Oleum, as 100%	Ton	3,461,632	3,594,467	3.8
Ammonia, Anhydrous, 100%	Ton	2,382,957 ^r	2,583,017	8.4
Ammonium Nitrate (all grades)	Ton	1,019,424	985,922	- 3.3
Ammonium Nitrate Phosphate (all grades)	Ton	168,660	*	-
Ammonium Phosphate (all grades)	Ton	1,264,658	1,325,192	4.8
Ammonium Sulphate	Ton	*	*	-
Chlorine	Ton	979,209	1,036,957	5.9
Ethylene	Ton	625,340	910,245	45.6
Fertilizers, Mixed	Ton	766,511	742,390	- 3.1
Formaldehyde, 100% Solid Basis	Ton	*	*	-
Sodium Chlorate	Ton	178,105	219,542	23.3
Sodium Hydroxide (Caustic Soda) (as 100% NaOH)	Ton	1,117,517 ^r	1,142,245	2.2
Urea (all grades)	Ton	886,987	1,341,698	51.3

* 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) ⁽¹⁾

<u>PRODUCT</u>	<u>UNIT OF QUANTITY</u> '000	<u>CALENDAR YEAR</u> <u>1977 (r)</u>	<u>CALENDAR YEAR</u> <u>1978</u>	<u>%</u> <u>CHANGE</u>
Polyethylene Type	Lb.	760,687	1,052,712	38.4
Polystyrene Type	Lb.	199,527 ^r	217,695	9.1
Vinyl Chloride Type	Lb.	219,795	275,032	25.1
Polyesters, Unsaturated	Lb.	46,099	44,739	- 3.0

(1) Figures include ^{NET} 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 1978

	<u>SEASONALLY ADJUSTED</u>				<u>WITHOUT SEASONAL ADJUSTMENT</u>			
	I	II	III	IV	I	II	III	IV
Chemical & Chemical Products	143.0	147.0	154.4	156.1	143.7	155.9	146.7	154.2
Manufacturers of pharma- ceuticals & medicines	156.8	155.9	175.1	172.2	167.5	160.3	160.9	171.2
Paint & varnish	124.5	131.0	132.4	135.8	112.5	159.5	140.2	112.1
Soaps & cleaning compounds	139.5	127.5	128.6	135.1	140.1	137.2	120.3	133.3
Industrial chemicals	138.4	140.7	146.9	147.9	145.5	144.5	135.6	148.1

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

TABLE IV

INDEX REAL DOMESTIC PRODUCT

TRADE IN CHEMICALS & CHEMICAL PRODUCTS

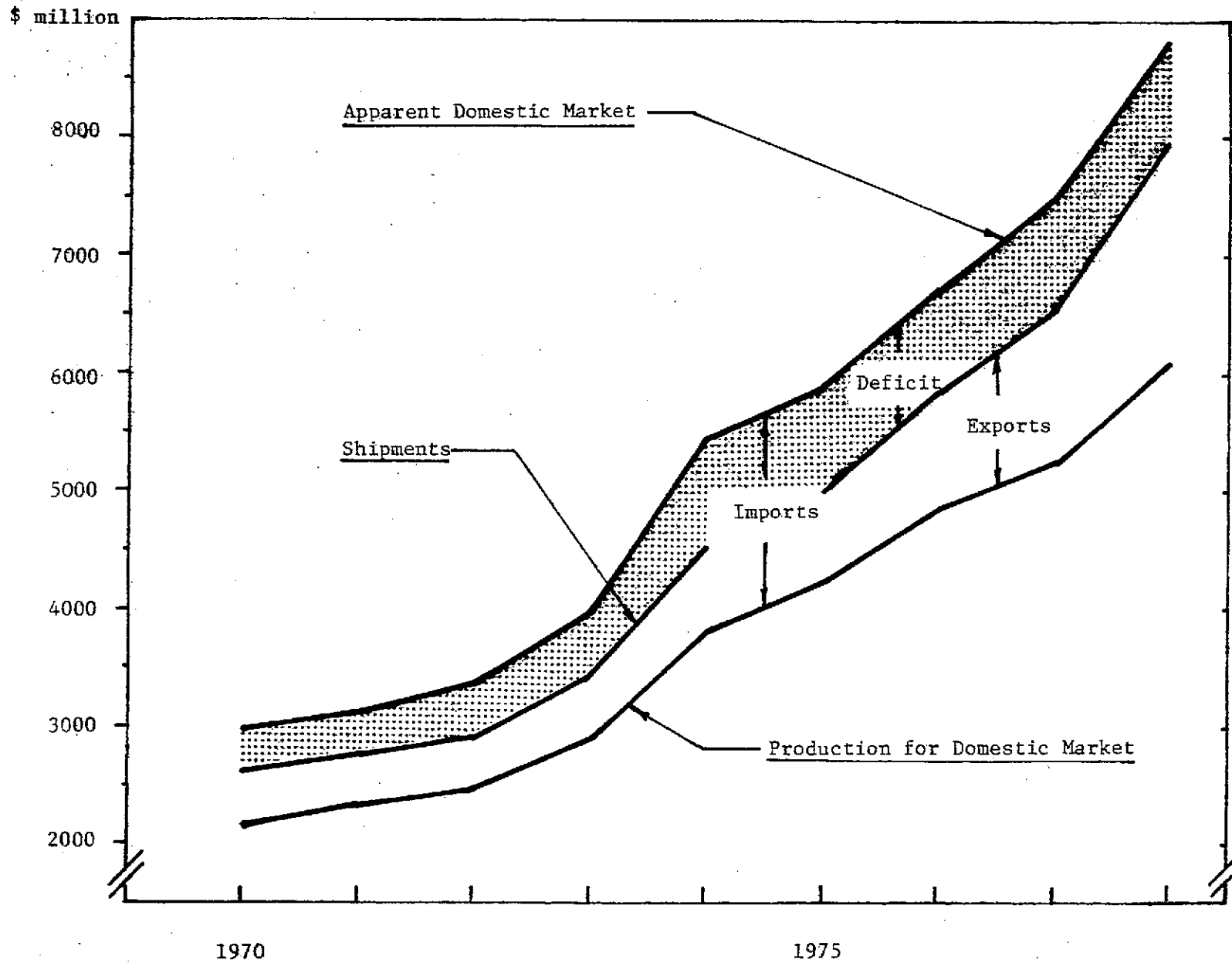


CHART I

IMPORTS OF CHEMICALS AND CHEMICAL PRODUCTS BY SUB-GROUP

<u>DESCRIPTION</u>		CALENDAR YEAR	CALENDAR YEAR	<u>% CHANGE</u>
		<u>1977</u>	<u>1978</u>	
		\$'000	\$'000	
Mixed Fertilizers	SIC 372	18,732	19,312	3.1
Plastics and Synthetic Resins	SIC 373	479,097	592,205	23.6
Pharmaceutical and Medicines	SIC 374	224,319	248,415	10.7
Paint and Varnish	SIC 375	64,323	82,601	28.4
Soaps and Cleaning Compounds	SIC 376	31,548	37,512	18.9
Toilet Preparations	SIC 377	39,875	52,280	31.1
<u>Industrial Chemicals</u>	SIC 378			
Pigments and Dry Colors	SIC 3781	86,463	124,692	44.2
Inorganic Chemicals	SIC 3782	255,498	288,703	13.0
Fertilizer Chemicals	SIC 3782	48,079	74,987	56.0
Organic Chemicals	SIC 3783	<u>485,817</u>	<u>569,049</u>	17.1
SIC 378 TOTAL		875,857	1,057,431	20.7
<u>Other Chemicals</u>	SIC 379			
Oils, Fats and Waxes		62,796	78,034	24.3
Agriculture Chemicals Formulated		101,112	137,943	36.4
Adhesives		16,272	18,419	13.2
Industrial Chemical Specialties		297,462	398,591	34.0
Inks		9,076	12,305	35.6
Explosives and Ammunition		<u>18,798</u>	<u>25,463</u>	35.5
SIC 379 TOTAL		505,516	670,755	32.7
Chemicals and Chemical Products TOTAL		2,239,267	2,760,511	23.3

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

TABLE V

CHEMICAL IMPORTS
\$'000

IMPORTS OF CHEMICALS & CHEMICAL PRODUCTS
BY CLASS AND COUNTRY

\$'000 (1978)

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>MIXED FERTILIZERS SIC 372</u>									
416-89	Prepared fertilizer mixtures	14,787	14,544	119	22	99	-	-	3
416-99	Fertilizers and fertilizer materials, n.e.s.	4,525	4,315	66	85	-	5	-	54
	TOTAL	19,312	18,859	185	107	99	5	-	57

TABLE VI

CHEMICAL IMPORTS
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>PLASTICS & SYNTHETIC RESINS SIC 373</u>									
422-05	Styrene-butadiene rubber latex	3,575	3,516	35	24	-	-	-	-
422-06	Neoprene rubber latex	653	627	26	-	-	-	-	-
422-32	Polybutadiene rubber	9,523	6,567	-	1,087	-	1,869	-	-
422-36	Neoprene rubber (except latex)	11,795	8,089	2	1,313	-	2,391	-	-
422-40	Styrene-butadiene rubber (except latex)	7,762	5,870	17	343	396	1,137	-	-
422-42	Butyl rubber	11,241	4,752	-	6,488	-	-	-	-
422-46	Nitrile rubber (except latex)	1,667	1,176	-	417	74	-	-	-
423-02	Phenol-formaldehyde resins	6,800	6,526	13	252	-	7	-	3
423-04	Melamine-formaldehyde resins	6,584	6,419	14	138	-	-	-	13
423-09	Urea-aldehyde resins	5,637	3,164	1,781	580	-	-	-	111
423-11	Polycarbonate resins	12,571	12,568	-	3	-	-	-	-
423-13	Polyester resins, (alkyd & allyl)	26,457	16,325	8,892	1,218	18	-	-	4
423-15	Polyamide resins	14,865	11,004	122	2,935	263	542	-	-
423-18	Polyurethane resins	34,565	32,488	229	1,541	-	3	-	304
423-20	Epoxy resins	12,857	12,678	21	113	22	-	-	24
423-23	Silicone resins	15,532	15,126	194	198	8	-	-	6
423-26	Ion-exchange resins	4,426	4,182	30	131	-	82	-	-
423-27	Polyether resins	20,901	20,586	25	170	3	10	-	107
423-29	Resins from condensation etc., n.e.s.	14,280	13,689	133	418	31	-	-	8
423-31	Acrylic resins	22,787	18,050	2,744	1,833	35	93	-	32
423-33	Polyethylene resins	68,645	64,654	30	3,933	-	24	-	3

TABLE VI (Cont'd)

CHEMICAL IMPORTS
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>PLASTICS & SYNTHETIC RESINS (Cont.)</u>									
423-35	Acrylonitrile-butadiene-styrene (ABS) resins	9,074	8,759	116	120	-	31	-	47
423-36	Styrene copolymers n.e.s.	9,055	8,921	6	128	-	-	-	-
423-37	Polystyrene resins, n.e.s.	21,794	21,475	135	185	-	-	-	-
423-41	Vinylidene resins	4,512	3,462	1	1,049	-	-	-	-
423-44	Vinyl chloride resins	38,366	33,305	51	2,496	-	88	-	2,426
423-45	Polyvinyl acetate resin	3,693	3,253	3	437	-	-	-	-
423-46	Polyvinyl chloride acetate copolymers	2,567	2,084	-	224	-	-	-	259
423-48	Polyvinyl resin copolymers n.e.s.	4,718	4,182	-	199	-	337	-	-
423-49	Vinyl resins, n.e.s.	8,958	4,874	3	1,432	-	2,596	-	54
423-51	Coumarone-indene resins	508	497	-	10	-	-	-	-
423-53	Polypropylene resins	35,740	16,625	13,826	5,248	8	-	-	33
423-55	Resins from polymerization & copolymerization n.e.s.	28,717	25,301	34	3,012	3	325	-	42
423-58	Synthetic resins derived from natural resins and tall oil	5,432	5,381	7	34	-	6	-	3
423-59	Synthetic resin scrap and waste	2,463	2,312	40	51	-	-	-	60

TABLE VI (Cont'd)

CHEMICAL IMPORTS
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>PLASTICS & SYNTHETIC RESINS (Cont.)</u>									
423-62	Cellulose nitrate, except explosive grades	4,982	1,900	40	2,703	-	-	-	341
423-64	Cellulose acetate	13,841	13,798	13	29	-	-	-	-
423-66	Cellulose acetate butyrate	2,795	2,664	1	130	-	-	-	-
423-89	Cellulose plastics n.e.s. including cellulose plastic scrap and waste	13,868	10,084	522	1,728	-	205	-	1,329
423-99	Plastic materials, not shaped, n.e.s.	4,841	3,744	230	622	-	3	-	243
424-65	Cellulose acetate film & sheet	15,822	13,759	2,020	17	-	27	-	-
424-82	Regenerated cellulose film and sheet	3,240	1,964	986	266	8	-	-	15
424-87	Vulcanized fibre in rolls or sheet	899	854	-	-	44	-	-	-
424-89	Cellulosic film & sheet n.e.s.	1,922	1,898	20	2	1	-	-	1
422-10	Latex synthetic crude, all types	9,674	9,214	243	217	-	-	-	-
422-50	Synthetic rubber except latex	31,601	26,125	224	3,563	142	1,419	-	129
<u>PLASTICS & SYNTHETIC RESINS TOTAL</u>		<u>592,205</u>	<u>494,491</u>	<u>32,829</u>	<u>47,037</u>	<u>1,056</u>	<u>11,195</u>	<u>-</u>	<u>5,597</u>

TABLE VI (Cont'd)

CHEMICAL IMPORTS
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>PHARMACEUTICALS & MEDICINES SIC 374</u>									
206-99	Animal materials used in drugs	1,069	863	-	181	-	-	-	25
214-99	Crude drugs, herbs & plant parts for medicines, etc.	3,290	851	95	495	164	9	4	1,672
412-91	Sulphonamides, in bulk	7,750	4,019	97	1,939	858	102	-	735
413-01	Vitamin A, in bulk	7,302	395	10	6,858	39	-	-	-
413-02	Riboflavin in bulk	2,020	379	-	392	1,063	186	-	-
413-03	Niacin and niacinamide in bulk	1,761	502	-	-	1,257	2	-	-
413-04	Vitamin B ₁₂ in bulk	369	117	9	134	12	27	-	70
413-05	Vitamin C in bulk	7,485	1,814	-	1,037	3,737	678	-	220
413-07	Vitamin E in bulk	5,581	3,869	4	1,491	69	146	-	-
413-09	Dietary supplements n.e.s., bulk	3,893	1,735	81	446	924	631	-	75
413-20	Hormones, adrenal cortical in bulk	9,851	4,243	891	992	174	-	-	3,551
413-29	Hormones n.e.s., in bulk	2,275	1,180	32	317	243	5	11	487
413-30	Enzymes, in bulk	3,550	2,205	105	926	142	3	-	167
413-50	Vegetable alkaloids, narcotic, bulk	6,591	23	4,805	415	-	-	-	1,348

TABLE VI (Cont'd)

CHEMICAL IMPORTS
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>PHARMACEUTICALS & MEDICINES (Cont.)</u>									
413-55	Caffeine, in bulk	884	627	-	212	-	-	-	45
413-59	Vegetable alkaloids, non narcotic	6,902	521	181	3,816	2,190	-	-	195
413-63	Penicillin and derivatives, in bulk	18,423	7,811	3,091	3,579	20	460	1,487	1,974
413-67	Streptomycin and dihydrostreptomycin, in dosage	1,317	702	519	95	-	-	-	-
413-68	Streptomyces derivatives n.e.s., bulk	11,080	4,020	1,243	1,273	21	-	-	4,522
413-69	Antibiotics n.e.s., in bulk	9,209	3,400	1,219	1,548	2	22	-	3,020
871-20	Blood & blood fractions	10,446	9,352	10	740	-	-	91	253
871-35	Cortical hormones, in dosage	993	381	576	23	-	-	-	13
871-62	Sex hormones, in dosage	710	148	35	39	17	-	-	471
871-65	Bacteriological products (sera vaccines) for human use, n.e.s.	9,686	8,942	191	366	-	-	-	189
871-99	Biological products for human use, n.e.s., dosage	2,566	1,439	40	242	106	3	-	734

TABLE VI (Cont'd)

CHEMICAL IMPORTS
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>PHARMACEUTICALS & MEDICINES (Cont.)</u>									
872-24	Penicillin, in dosage	2,991	1,726	403	534	-	64	-	264
872-52	Streptomycin & dihydro-streptomycin, dosage	149	125	-	24	-	-	-	-
872-99	Antibiotics, n.e.s., in dosage	7,206	2,675	1,912	1,710	-	-	-	910
874-07	Ascorbic acid, (Vitamin C) and salts, dosage	2,158	432	-	87	1,626	6	-	6
874-23	Niacin (nicotinic acid) and niacinamide, (nicotinamide) in dosage	4	3	-	-	-	-	-	1
874-26	Riboflavin, Vitamin B2, in dosage	4	4	-	-	-	-	-	-
874-36	Vitamin A, in dosage	173	111	5	58	-	-	-	-
874-49	Vitamin B12, except complex, dosage	153	64	-	90	-	-	-	-
874-56	Vitamin E, tocopherol, in dosage	1,702	1,030	672	-	-	-	-	-
874-99	Vitamins & preparations, n.e.s., dosage	4,926	4,461	87	186	133	33	2	23

TABLE VI (Cont'd)

CHEMICAL IMPORTS
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>PHARMACEUTICALS & MEDICINES (Cont.)</u>									
878-12	Veterinary biological products (sera vaccine)	4,750	3,806	872	38	-	-	-	34
878-14	Veterinary antibiotic preparations	2,019	1,107	462	440	-	-	-	11
878-49	Veterinary medicines, n.e.s.	9,849	6,685	940	596	1,162	-	-	467
878-89	Antibiotic & vitamin feed supplements	4,483	1,064	310	878	2,137	79	-	14
878-99	Other veterinary medicines for use in feed supplements	4,960	3,122	1,108	68	44	69	4	546
879-31	Narcotics, in dosage	222	181	9	2	-	-	-	30
879-51	Sulphonamides & their salts, dosage	992	793	12	32	71	-	-	84
879-60	Barbiturates and amphetamines	425	371	40	11	-	-	-	2
879-73	Caffeine and salts, in dosage	-	-	-	-	-	-	-	-
879-92	Fish liver & visceral oils, pharmaceutical dose	134	16	46	4	-	-	9	59
879-99	Medicinal & pharmaceutical products, n.e.s.	66,112	33,788	13,465	9,951	1,521	370	43	6,972
<u>PHARMACEUTICALS & MEDICINES TOTAL</u>		<u>248,415</u>	<u>121,102</u>	<u>33,577</u>	<u>42,265</u>	<u>17,732</u>	<u>2,895</u>	<u>1,651</u>	<u>29,189</u>

TABLE VI (Cont'd)

CHEMICAL IMPORTS
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>PAINT & VARNISH SIC 375</u>									
428-16	Paste paints including white lead & paint colour in oil	1,457	1,440	-	15	-	-	-	2
428-29	Paints, n.e.s.	31,404	30,630	242	464	2	14	-	51
428-33	Ceramic, enamelling & glass paints	2,067	1,750	249	68	-	-	-	-
428-37	Special purpose paints, n.e.s.	2,732	2,574	83	63	-	1	-	11
428-40	Varnishes & prepared shellacs	4,110	3,920	5	149	29	4	-	2
428-59	Lacquers	5,686	5,562	12	77	9	-	-	25
428-90	Paints & related products n.e.s.	3,807	3,588	69	121	2	-	-	27
428-99	Stains, thinners, fillers & related products, n.e.s.	31,338	24,479	1,099	3,523	7	99	-	2,130
<u>PAINT & VARNISH TOTAL</u>		<u>82,601</u>	<u>73,943</u>	<u>1,759</u>	<u>4,480</u>	<u>49</u>	<u>118</u>	<u>-</u>	<u>2,248</u>

TABLE VI (Cont'd)

CHEMICAL IMPORTS
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>SOAP & CLEANING COMPOUNDS SIC 376</u>									
429-48	Glycerin crude	2,239	2,239	-	-	-	-	-	-
429-49	Glycerin refined	2,127	2,127	-	-	-	-	-	-
800-61	Toilet soap	6,521	4,036	1,302	855	45	15	-	269
800-63	Soap powders & flakes	267	255	-	11	-	-	-	-
800-65	Liquid soap	589	579	1	9	-	-	-	-
800-67	Soap, n.e.s.	962	728	18	155	-	-	-	60
800-70	Detergents, laundry, household type	3,185	3,185	-	-	-	-	-	-
800-71	Detergents, household, n.e.s.	10,551	10,474	44	32	-	-	-	-
800-73	Washing & cleaning preparations, n.e.s.	11,071	10,672	159	184	3	45	-	7
<u>SOAP & CLEANING COMPOUNDS TOTAL</u>		<u>37,512</u>	<u>34,295</u>	<u>1,524</u>	<u>1,246</u>	<u>48</u>	<u>60</u>	<u>-</u>	<u>336</u>
<u>TOILET PREPARATIONS SIC 377</u>									
800-19	Perfumes, toilet waters & colognes	10,469	3,522	188	6,347	5	14	-	393
800-49	Toilet preparations & cosmetics, n.e.s.	41,811	28,460	1,377	10,743	412	409	-	407
<u>TOILET PREPARATIONS TOTAL</u>		<u>52,280</u>	<u>31,982</u>	<u>1,565</u>	<u>17,090</u>	<u>417</u>	<u>423</u>	<u>-</u>	<u>800</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 & Drycolours SIC 3781</u>									
<u>Dyestuffs except dyeing extracts</u>									
426-05	Acid dyestuffs (acid)	15,167	4,047	1,263	7,377	2,137	94	-	249
426-08	Azoic dyestuffs (azoic)	233	43	-	177	-	-	-	13
426-11	Modified basic dyestuffs (basic)	2,417	292	88	1,373	664	-	-	-
426-12	Basic dyestuffs, n.e.s.	6,981	2,583	268	4,019	59	-	-	52
426-15	Chrome dyestuffs (chrome)	164	44	3	81	31	-	-	5
426-20	Direct & developed dyestuffs (D. & D.)	5,617	1,716	707	1,876	866	13	-	439
426-21	Dispersed or acetate dyestuffs (dispersed)	11,723	3,645	996	5,706	1,337	40	-	-
426-25	Sulphur dyestuffs (sulphur)	2,142	1,650	4	489	-	-	-	-
426-30	Vat dyestuffs including indigo (vat)	5,464	2,033	311	2,975	144	-	-	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>Pigments and Drycolours (Cont.)</u>									
426-40	Oil, spirit & wax dyestuffs (OSW)	2,861	2,078	104	343	217	120	-	-
426-45	Food, drug & cosmetic dyestuffs (FD & C)	1,486	603	678	32	151	10	-	12
426-69	Organic optical brighteners (OB)	9,800	2,019	6,114	1,296	371	-	-	-
426-72	Reactive dyestuffs (reactive)	5,913	309	660	4,285	653	5	-	-
426-99	Dyestuffs, n.e.s. (dyes, n.e.s.)	5,733	3,668	242	1,295	231	275	-	23
	SUB-TOTAL	75,701	24,730	11,438	31,324	6,861	557	-	794

Pigments, Lakes & Toners

427-13	Organic orange & yellow pigments	5,220	970	493	2,873	883	-	-	-
427-15	Organic blue & green pigments	6,800	2,593	922	2,949	208	87	-	42
427-18	Organic red & maroon pigments	7,677	3,719	287	2,809	852	-	7	2

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>Pigments and Drycolours (Cont.)</u>									
<u>Pigments, Lakes & Toners (Cont.)</u>									
427-33	Inorganic orange and yellow pigments	2,109	1,887	83	55	9	-	-	74
427-35	Inorganic blue and green pigments	1,083	440	598	23	-	4	-	19
427-38	Inorganic red and maroon pigments	892	681	121	91	-	-	-	-
427-49	Textile pigments (except spin dyeing colours (TP)	4,769	2,303	73	2,316	45	-	-	33
427-72	Titanium dioxide, extended	647	228	348	67	3	-	-	-
427-75	Whiting	538	254	54	221	-	9	-	-
427-92	Luminescent, agents for paints, n.e.s. (L.F.P.)	3,175	3,109	2	30	14	20	-	-
427-99	Pigments, colour lakes & toners, n.e.s.	16,081	12,536	1,656	1,337	299	75	-	178
SUB-TOTAL		48,991	28,720	4,637	12,771	2,313	195	7	348
PIGMENTS & DRYCOLOURS TOTAL		124,692	53,450	16,075	44,095	9,174	752	7	1,142

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	1,835	1,835	-	-	-	-	-	-
400-08	Iodine	903	72	-	-	-	831	-	-
400-25	Acetylene black, carbon black, & lamp black	4,511	4,341	48	-	-	-	-	121
400-49	Hydrogen, rare gases & other non-metals	10,146	7,868	27	227	-	617	-	1,406
400-51	Sodium metal	6,111	6,106	5	-	-	-	-	-
400-81	Mercury	225	101	-	89	-	-	-	35
400-99	Chemical elements, n.e.s.	2,444	2,369	46	29	-	-	-	-
401-15	Sulphuric acid, incl. oleum	4,002	2,415	291	53	-	-	526	717
401-31	Boric (boracic) acid and boric oxide	4,520	3,246	97	731	-	-	-	446
401-62	Silica gel	7,646	6,930	553	163	-	-	-	-
401-99	Inorganic acids & oxygen compounds, n.e.s.	11,735	10,353	201	256	-	139	775	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>									
402-02	Ammonia	9,353	9,343	-	10	-	-	-	-
402-05	Sodium hydroxide (caustic soda liquid)	39,405	29,691	3	8,570	-	-	-	1,141
402-06	Sodium hydroxide (caustic soda dry)	1,843	1,688	5	102	-	-	-	49
402-09	Potassium hydroxide (caustic potash)	1,612	1,455	-	87	-	23	-	47
402-12	Sodium & potassium peroxides	12	12	-	-	-	-	-	-
402-19	Strontium, barium & magnesium, oxides hydroxides and peroxides	4,911	4,717	49	91	-	28	-	27
402-21	Zinc oxides and peroxides	1,647	1,387	172	-	-	-	87	-
402-32	Chromium oxides and hydroxides	3,220	2,378	624	150	-	-	-	68
402-40	Iron oxides, natural or synthetic	5,476	3,175	369	1,787	-	8	-	136

TABLE VI (Cont'd)

CHEMICAL IMPORTS
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Othe
<u>INDUSTRIAL CHEMICALS (Cont.)</u>									
<u>Inorganic Chemicals (Cont.)</u>									
402-48	Titanium dioxide, pure	7,550	4,218	1,027	2,228	-	-	-	76
402-57	Lead oxide (litharge), red lead, mineral orange	402	233	37	-	-	-	91	41
402-61	Antimony oxides	3,361	125	2,831	406	-	-	-	-
402-81	Copper oxides & hydroxides	596	422	19	84	-	-	-	71
402-87	Molybdenum oxide & hydroxide	3,069	2,228	333	431	-	-	-	77
402-99	Inorganic bases and metallic oxides, hydroxides & peroxides, n.e.s.	9,784	5,925	1,021	326	-	506	-	2,006
403-19	Fluorides & other fluorine salts	3,661	2,495	434	566	-	166	-	-
403-22	Calcium chloride	1,552	1,545	7	-	-	-	-	-
403-36	Chlorides & oxy-chlorides, n.e.s.	7,703	3,714	2,726	626	-	378	61	199

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	6,163	4,957	21	23	-	1,162	-	-
403-39	Chlorites & hypochlorites, n.e.s.	423	94	-	265	-	63	-	-
403-45	Chlorates & perchlorates	991	478	-	-	-	-	-	513
403-54	Sodium sulphide & tetrasulphide	261	132	58	71	-	-	-	-
403-55	Sodium hydrosulphide (sulphhydrate)	805	794	2	9	-	-	-	-
403-56	Dithionites & sulphonylates incl. sodium hydrosulphite	9,681	5,650	1,669	2,362	-	-	-	-
403-58	Sodium sulphite	1,595	965	219	184	-	209	14	4
403-59	Sulphites & thiosulphates, n.e.s.	944	431	209	286	-	-	-	18
403-62	Sodium sulphate (salt cake & Glauber's salt)	1,115	545	570	-	-	-	-	-
403-65	Sodium bisulphate (nitre cake)	692	592	95	5	-	-	-	-
403-71	Zinc sulphate	755	393	53	47	-	-	174	87

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	270	265	-	4	-	-	-	-
403-79	Copper sulphate	606	222	46	70	-	-	-	268
403-80	Chromium sulphates incl. basic	1,134	793	305	36	-	-	-	-
403-84	Sulphates (incl. alums) & persulphates, n.e.s.	4,432	2,713	707	884	-	60	-	67
403-88	Potassium nitrate (saltpeter)	656	463	-	74	-	-	-	119
403-91	Nitrites & nitrates, n.e.s.	4,702	3,683	74	448	-	-	-	497
403-95	Sodium phosphate, tribasic	300	234	-	65	-	-	-	2
403-99	Sodium phosphates, n.e.s.	3,032	2,942	-	90	-	-	-	-
404-01	Potassium phosphates	1,054	1,046	-	8	-	-	-	-
404-06	Calcium phosphates	5,818	5,818	-	-	-	-	-	-

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	12,594	12,591	-	3	-	-	-	-
404-17	Sodium bicarbonate	3,151	2,866	260	-	-	-	-	26
404-19	Sodium sesquicarbonate	405	405	-	-	-	-	-	-
404-21	Potassium carbonate	608	573	-	35	-	-	-	-
404-27	Barium carbonate	791	2	-	762	-	-	-	27
404-37	Carbonates & percarbonates, n.e.s.	3,939	2,862	623	337	-	-	-	116
404-41	Sodium cyanide	3,798	529	2,769	492	-	-	-	9
404-49	Cyanides & complex cyanides, n.e.s.	1,262	455	225	550	-	27	-	6
404-50	Sodium silicates, incl. solutions	1,160	987	-	173	-	-	-	-
404-56	Potassium silicates	384	188	-	195	-	-	-	-
404-57	Silicates, n.e.s.	1,016	954	9	23	-	-	-	31
404-58	Sodium borate (borax)	8,510	8,504	6	-	-	-	-	-

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	5,880	4,529	874	-	-	-	-	478
404-79	Chromates, permanganates, stannates & similar salts, n.e.s.	2,748	2,105	454	121	-	-	-	67
404-99	Metallic salts & peroxy-salts of inorganic acids, n.e.s.	6,578	5,216	851	343	-	71	-	98
405-09	Halogen & sulphur compounds of non-metals	1,992	1,732	112	143	5	-	-	-
405-21	Radium & compounds	11	11	-	-	-	-	-	1
405-32	Radioactive elements and isotopes, n.e.s.	11,630	9,859	106	1,529	-	51	-	86
405-99	Other inorganic chemicals, n.e.s.	10,966	8,700	764	469	-	29	-	1,005
410-52	Tricresyl phosphates	568	65	504	-	-	-	-	-
410-99	Inorganic esters, salts & deriv., n.e.s.	6,048	3,320	580	1,274	56	812	-	7
<u>INORGANIC CHEMICALS SUB-TOTAL</u>		<u>288,703</u>	<u>220,050</u>	<u>23,090</u>	<u>28,392</u>	<u>61</u>	<u>5,180</u>	<u>1,728</u>	<u>10,206</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	14,077	14,077	-	-	-	-	-	-
416-33	Sodium nitrate	2,324	975	-	20	-	-	-	1,329
416-39	Nitrogen solutions	384	384	-	-	-	-	-	-
416-48	Ammonium sulphate	1,650	1,524	-	126	-	-	-	-
416-49	Nitrogenous fertilizers, mineral or chem., n.e.s.	3,303	3,291	-	4	-	-	-	9
416-54	Superphosphate 22% or less, phosphoric acid	513	513	-	-	-	-	-	-
416-55	Superphosphate, more than 22% phosphoric acid	5,589	5,589	-	-	-	-	-	-
416-58	Phosphatic fertilizers, n.e.s.	40,759	39,323	-	308	-	-	-	1,129
416-66	Potassium sulphate	2,598	2,598	-	-	-	-	-	-
416-69	Potassic fertilizers, n.e.s.	3,790	3,790	-	-	-	-	-	-
FERTILIZER CHEMICALS TOTAL		74,987	72,064	-	458	-	-	-	2,467

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	6,130	6,130	-	-	-	-	-	-
406-09	Butadiene	11,337	11,335	-	2	-	-	-	-
406-10	Isoprene	1,437	1,372	-	64	-	-	-	-
406-21	Benzol (Benzene)	1,369	1,369	-	-	-	-	-	-
406-22	Toluol (Toluene)	3,252	82	-	1	-	3,169	-	-
406-23	Xylol (Xylene)	1,893	1,893	-	-	-	-	-	-
406-24	Hexane	1,378	1,378	-	-	-	-	-	-
406-25	Ethylene	578	573	2	3	-	-	-	-
406-33	Hydrocarbons, n.e.s.	2,582	2,507	-	74	-	-	-	-
406-35	Methyl chloride	1,570	1,570	-	-	-	-	-	-
406-40	Ethylene bromide	3,184	3,184	-	-	-	-	-	-
406-42	Chloroform	1,663	757	-	906	-	-	-	-
406-53	Trichlorethylene	164	164	-	-	-	-	-	-
406-59	Chlorofluorohydrocarbons, n.e.s.	1,382	1,299	84	-	-	-	-	-
406-64	Chlorobenzene, mono-ortho-dim meta-di, para-di	2,823	2,033	-	789	-	-	-	-

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	5	5	-	-	-	-	-	-
406-88	Methylene chloride	3,343	2,362	-	981	-	-	-	-
406-91	Vinyl chloride monomer	16,383	16,383	-	-	-	-	-	-
406-92	1,1,1-Trichloroethane	301	301	-	-	-	-	-	-
406-99	Derivatives of hydrocarbons, n.e.s.	8,662	4,969	641	2,555	113	360	-	24
407-05	Methyl alcohol	1,471	1,471	-	-	-	-	-	-
407-21	Butyl alcohol, normal	149	149	-	-	-	-	-	-
407-61	Ethylene glycol, mono	2,183	1,062	-	973	-	-	-	147
407-65	Menthol, natural & synthetic	1,157	474	14	1	-	12	-	657
407-78	Iso-octyl alcohol	160	160	-	-	-	-	-	-
407-82	Trimethylolmethane	620	620	-	-	-	-	-	-
407-93	Decyl alcohol	1,245	1,245	-	-	-	-	-	-
407-95	Fatty alcohols, n.e.s. (incl. sulphonated)	7,371	4,802	2,195	315	2	56	-	-
407-97	Sorbitol	3,591	2,941	17	461	9	17	-	146
407-99	Alcohols & their deriv. n.e.s.	11,436	5,532	2,177	3,299	15	126	26	261

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>									
408-02	Phenol (carbolic acid)	2,171	2,166	5	-	-	-	-	-
408-03	Cresols	1,164	662	397	50	-	56	-	-
408-04	Cresylic acid	464	422	42	-	-	-	-	-
408-11	Resorcinol	1,917	1,915	-	2	-	-	-	-
408-13	Phenols & phenol alcohols, n.e.s.	4,383	2,745	629	923	-	85	-	-
408-15	Phenols, chlorinated	1,894	1,090	642	160	-	-	-	-
408-18	Deriv. of phenols & phenolalcohols, n.e.s.	1,515	1,422	11	79	-	-	-	3
408-30	Ethers, ether-alcohols, ether-phenols, alcohol, peroxides & ether peroxide and deriv.	13,370	10,067	469	303	2,488	11	-	31
408-36	Epichlorohydrin	2,624	1,305	-	1,319	-	-	-	-
408-37	Epoxides, epoxyalcohols, epoxy phenols, epoxy-ethers and deriv.	926	901	-	25	-	-	-	-
408-40	Acetals, hemiacetals & their deriv.	223	123	-	100	-	-	-	-
408-45	Formaldehydes & para-formaldehydes	2,866	2,865	2	-	-	-	-	-

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>									
408-56	Vanillin	193	6	38	149	-	-	-	-
408-57	Acetaldehyde	3,387	3,387	-	-	-	-	-	-
408-59	Aldehyde function compds., n.e.s.	1,986	1,639	106	179	31	10	-	21
408-89	Ketone & quinone function compds.	7,846	6,135	478	961	9	-	-	263
409-02	Formic acid	449	253	196	-	-	-	-	-
409-05	Butyl acrylate	5,265	5,252	-	13	-	-	-	-
409-07	Ethyl acrylate	4,926	4,920	-	5	-	-	-	-
409-09	Acrylic acids & their esters	2,534	2,466	12	56	-	-	-	-
409-15	Methyl methacrylate	15,427	14,693	255	478	-	-	-	-
409-19	Methacrylic acid & derivatives, n.e.s.	5,644	5,402	185	57	-	-	-	-
409-21	Vinyl acetate	9,511	9,511	-	-	-	-	-	-
409-29	Acetic acid & its derivatives, n.e.s.	9,759	7,779	1,889	73	-	13	-	5
409-42	Stearic acid	1,242	1,026	34	2	-	-	-	181

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>									
409-50	Lauric acid	174	149	25	-	-	-	-	-
409-52	Oleic acid (red oil)	53	23	27	3	-	-	-	-
409-57	Benzoic acid & benzoates	1,533	1,239	22	170	4	96	-	-
409-59	Monoacids & deriv., n.e.s.	13,027	6,765	2,631	1,996	2	1,119	-	515
409-62	Oxalic acid	362	37	1	241	-	-	-	84
409-63	Azelaic acid	862	862	-	-	-	-	-	-
409-65	Fumaric acid	675	408	-	241	-	-	-	27
409-71	Isophthalic acid	1,262	1,262	-	-	-	-	-	-
409-72	Phthalic anhydride	440	174	187	79	-	-	-	-
409-73	Paraphthalic acid	16,032	16,028	-	4	-	-	-	-
409-74	Adipic acid	2,369	1,116	410	842	-	-	-	-
409-79	Phthalates & phthalate esters, n.e.s.	4,877	4,575	99	122	-	9	-	72
409-81	Polyacids & deriv., n.e.s.	5,200	3,805	445	791	-	-	13	146
409-83	Lactic acid	555	110	133	24	-	196	-	92

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>									
409-86	Tartaric acid	430	3	-	65	-	-	-	361
409-93	Acetylsalicylic acid (except in tablet or dosage form)	2,395	1,124	653	607	-	-	-	10
409-94	2,4-Dichlorophenoxy- acetic acid, technical	1,167	323	438	334	71	-	-	-
409-96	Methylchlorophenoxy- acetic acid	3,723	1,533	290	1,773	127	-	-	-
409-98	Oxygen function acids & deriv., n.e.s.	24,935	9,219	2,421	9,237	47	189	-	3,821
411-24	Hexamethylene diamine	11	11	-	-	-	-	-	-
411-25	Amine function compds. n.e.s.	44,252	32,332	4,020	5,104	2,479	141	-	177
411-34	Ethanolamines (mono- di-tri)	1,714	1,359	50	305	-	-	-	-
411-43	Phenetidines (ortho- meta-, para)	-	-	-	-	-	-	-	-
411-45	Sodium glutamate, mono-	4,931	440	-	372	-	2,537	-	1,583
411-47	Sodium nitrilotriacetate	18,988	18,988	-	-	-	-	-	-

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>									
411-49	Single or complex oxygen function & amino compds., n.e.s.	31,814	8,833	4,195	4,830	7,051	1,892	173	4,841
411-51	Choline chloride	1,808	1,224	279	266	2	-	-	38
411-52	Quaternary ammonium salts, n.e.s.	1,257	930	169	130	29	-	-	-
411-59	Amide function compds.	11,248	4,767	1,627	4,056	337	-	-	460
411-63	Hexamethylene tetramine	186	94	-	-	-	-	-	92
411-64	Imide function & imine function compounds, n.e.s.	2,291	585	755	266	323	159	-	203
411-71	Acrylonitrile	15,412	14,818	-	593	-	-	-	-
411-74	Acetonitrile	492	492	-	-	-	-	-	-
411-75	Nitrile function compounds, n.e.s.	644	237	5	315	-	76	-	10
411-82	Isocyanates	5,863	5,134	75	525	-	130	-	-
411-99	Nitrogen-function compounds, n.e.s.	3,182	1,686	219	1,057	12	40	-	168

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>									
412-04	Xanthates	688	125	-	320	-	-	242	-
412-12	Dithiocarbamates	298	230	20	-	-	48	-	-
412-20	Mercaptans	2,572	2,021	10	421	-	120	-	-
412-23	Methionine	8,685	1,428	55	6,055	-	1,148	-	-
412-29	Organo-sulphur compounds, n.e.s.	20,345	5,786	1,030	13,181	4	232	-	111
412-54	Silicone fluids	1,578	1,545	-	32	-	-	-	-
412-59	Other organo-inorganic compounds, n.e.s.	5,094	4,779	159	122	23	11	-	-
412-63	Thiazoles (except sulfathiazole)	5,991	3,390	2,330	245	3	-	-	23
412-65	Morpholine	1,064	1	625	437	-	-	-	-
412-66	Caprolactam	9,383	9,304	-	8	-	71	-	-
412-79	Heterocyclic compds. n.e.s. incl. nucleic acids	85,756	24,341	5,276	20,549	28,731	2,264	1,984	2,611
413-99	Organic chemicals, n.e.s.	1,390	928	317	68	76	-	-	-

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>									
429-70	Animal charcoal	1,159	30	1,029	25	-	51	-	28
429-85	Naphthenic acid	218	179	-	-	-	-	-	38
429-87	Metal naphthenates	159	91	67	-	-	-	-	-
ORGANIC CHEMICALS TOTAL		569,049	361,137	40,614	91,169	41,988	14,444	2,438	17,245
INDUSTRIAL CHEMICALS TOTAL		1,057,431	706,701	79,779	164,114	51,223	20,376	4,173	31,060

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	462	213	-	-	-	-	-	249
394-49	Waxes, animal and vegetable, n.e.s.	356	332	17	6	-	1	-	-
395-59	Chem. modified oils, fats and waxes	8,581	7,787	172	583	-	-	-	39
395-75	Tall oil fatty acids	2,921	2,921	-	-	-	-	-	-
395-99	Mixtures, residues and derivatives of oils, fats, n.e.s.	13,746	10,041	3,273	150	-	-	-	281
396-10	Chestnut extract	134	70	-	64	-	-	-	-
396-20	Quebracho extract	757	35	-	-	-	-	-	722
396-40	Wattle extract	895	46	2	-	-	-	-	847
396-89	Synthetic tanning agents, n.e.s.	2,050	658	46	1,292	55	-	-	-
396-99	Natural tanning and dyeing extract, n.e.s.	582	344	83	55	17	-	-	81

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 & Waxes (Cont.)</u>									
397-16	Lemon and orange oil	2,131	1,626	8	72	7	-	-	418
397-20	Peppermint oil	2,056	1,909	13	35	-	-	-	99
397-25	Spearmint oil	1,207	1,207	-	-	-	-	-	-
397-39	Essential oils, n.e.s.	8,987	6,206	464	1,379	257	51	124	509
397-49	Blends of essential oils	15,333	13,541	874	497	350	-	-	72
399-05	Rosin	3,242	2,974	3	58	-	-	-	205
399-08	Rosin sizing	2,303	2,303	-	-	-	-	-	-
399-10	Rosin oils, spirits and acids, n.e.s.	2,193	2,193	-	-	-	-	-	-
399-15	Tall oil and tall oil pitch	401	401	-	-	-	-	-	-
399-20	Turpentine	264	246	-	-	-	-	-	18
399-35	Pine oil, pine tar and pine pitch	1,548	1,523	-	-	-	-	-	25
399-45	Lyes from wood pulp mfg.	2,871	2,867	-	-	-	-	-	5
399-99	Gum, wood and vegetable extracts, n.e.s.	5,014	4,175	57	356	-	22	-	404
OILS, FATS AND WAXES TOTAL		78,034	63,618	5,012	4,547	686	74	124	3,974

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 and Rodenticides</u>									
418-23	Pesticides, botanic and microbe base	471	371	-	36	-	-	-	63
418-30	D.D.T. dusts, solutions and powders	-	-	-	-	-	-	-	-
418-35	Pesticides, arsenic or chlorinated hydrocarbon base	747	722	-	25	-	-	-	-
418-36	Pesticides, phosphorothioate base	3,014	2,612	-	298	1	-	-	103
418-37	Pesticides, phosphate/ acetic base	954	906	48	-	-	-	-	-
418-50	Pesticides carbamate/ thiocarbamate base	43,548	37,420	1,273	4,854	-	-	-	-
418-57	Pesticides, dithiocarbamate base	1,937	1,671	-	266	-	-	-	-
418-62	Mercurial fungicides (except seed treatments)	184	148	36	-	-	-	-	-
418-63	Fungicides, n.e.s. (except seed treatments)	3,866	2,644	18	853	-	339	-	12
418-64	Fungicides, seed treatment	655	609	5	41	-	-	-	-
418-82	Herbicides, 2, 4D and 2, 4, 5-T chlorate and borate base	679	352	156	85	87	-	-	-

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 (Cont.)</u>									
418-84	2,4-D ester and amine dusts and formulations	2,574	2,480	69	25	-	-	-	-
418-89	Herbicides, n.e.s.	64,274	44,378	9,448	8,528	1,877	1	-	42
418-91	Fumigants, n.e.s.	4,563	4,401	-	162	-	-	-	-
418-95	Insecticides, n.e.s.	7,343	6,811	291	109	78	2	-	51
418-99	Pesticides, n.e.s.	3,134	3,011	29	50	-	20	-	23
AGRICULTURAL CHEMICALS TOTAL		137,943	108,536	11,373	15,332	2,043	362	-	294
<u>Adhesives</u>									
421-19	Glue, animal	3,282	1,856	28	358	24	-	-	1,016
421-59	Glue, synthetic resin	9,183	8,657	53	404	57	-	-	13
421-79	Rubber cement	2,343	2,315	2	15	-	6	-	5
421-99	Adhesives, n.e.s.	3,611	3,012	115	403	17	13	-	50
ADHESIVES TOTAL		18,419	15,840	198	1,180	98	19	-	1,084

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	43,129	40,602	1,765	758	-	-	-	4
429-11	Automotive chemicals, n.e.s.	9,411	9,300	70	23	-	-	-	17
429-14	Carbon, activated	4,511	3,954	263	241	-	53	-	-
429-15	Clays and earths, activated	4,643	3,748	-	896	-	-	-	-
429-17	Collecting reagents for concentrating ores, metals or minerals	2,999	2,669	5	307	-	-	-	17
429-22	Compound catalysts	32,988	30,230	477	1,840	-	439	-	1
429-32	Dextrin and dextrin preparations (except adhesives)	1,375	885	88	402	-	-	-	-
429-42	Charge preparations for fire extinguishers	1,032	1,007	24	2	-	-	-	-
429-46	Gelatin, inedible	2,657	2,513	-	55	-	-	-	89
429-52	Metalworking compounds prepared	19,634	18,599	350	490	154	19	-	23

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	1,997	1,993	2	3	-	-	-	-
429-63	Industrial fungicides, germicides and slimicides	12,466	11,126	560	604	85	90	-	2
429-64	Oil treating compounds	6,661	6,657	2	-	-	1	-	-
429-72	Rubber and plastic compounding agents, n.e.s.	25,396	23,594	815	954	19	3	-	12
429-74	Starch, industrial	5,270	4,764	21	472	-	-	-	14
429-79	Surface active agents compounded	39,031	35,109	534	2,547	203	9	-	628
429-82	Textile specialty chemicals, prep.	12,262	10,961	136	970	170	19	7	-
429-90	Laboratory reagents	10,668	8,759	453	945	41	2	-	468
429-95	Caulking, sealing and sound deadening compds.	21,969	20,887	572	304	5	-	-	203
429-99	Industrial chemical specialties, n.e.s.	76,080	63,346	2,808	6,331	863	236	-	2,495

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	1,495	767	35	589	103	-	-	-
800-79	Polishes, waxes and related preps., n.e.s.	5,625	4,784	118	123	214	1	-	385
800-89	Household chemical specialties, n.e.s.	21,215	20,599	204	128	4	192	-	88
919-79	Photographic chemicals, n.e.s.	36,077	33,525	771	484	87	1,209	-	-
<u>INDUSTRIAL CHEMICAL SPECIALTIES TOTAL</u>		<u>398,591</u>	<u>360,378</u>	<u>10,073</u>	<u>19,468</u>	<u>1,948</u>	<u>2,273</u>	<u>7</u>	<u>4,446</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>Inks</u>									
429-66	Printing ink	6,586	6,216	253	85	2	21	-	9
429-68	Rotogravure ink	293	293	-	-	-	-	-	-
904-04	Inks, except printing inks	5,426	2,850	2,063	438	-	8	-	65
	INKS TOTAL	12,305	9,359	2,316	523	2	29	-	74
<u>Explosives and Ammunition</u>									
415-09	Gunpowder and similar powder	2,640	2,640	-	-	-	-	-	-
415-69	Prepared explosives and blasting agents, n.e.s.	4,505	4,413	31	62	-	-	-	-
866-04	Book matches	91	77	-	4	-	11	-	-
866-08	Matches except book matches	396	94	2	7	-	64	-	229
930-21	Shotshells	4,911	3,204	183	996	-	-	-	529
930-26	Centre fire metallic cartridges	2,739	2,532	-	-	-	-	81	126

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>Explosives and Ammunition (Cont.)</u>									
930-29	Ammunition, n.e.s.	3,930	2,540	423	672	2	9	74	211
930-39	Ammunition parts	4,919	4,463	162	143	-	-	10	141
949-56	Pyrotechnic articles and fireworks, n.e.s.	1,332	427	166	169	504	9	-	56
EXPLOSIVES AND AMMUNITION TOTAL		25,463	20,390	967	2,053	506	93	165	1,292
MISCELLANEOUS CHEMICALS TOTAL		670,755	578,121	29,939	43,103	5,283	2,850	296	11,164
IMPORTS, CHEMICAL AND CHEMICAL PRODUCTS GRAND TOTAL		2,760,511	2,059,494	181,157	319,442	75,907	37,922	6,120	80,451

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	<u>% CHANGE</u>
		<u>1977</u>	<u>1978</u>	
		<u>\$'000</u>	<u>\$'000</u>	
Mixed Fertilizers	SIC 372	8,305	12,032	44.9
Plastics and Synthetic Resins	SIC 373	172,881	260,309	50.6
Pharmaceuticals and Medicines	SIC 374	64,590	71,592	10.8
Paint and Varnish	SIC 375	5,172	6,824	31.9
Soap and Cleaning Compounds	SIC 376	3,772	5,586	48.1
Toilet Preparations	SIC 377	5,294	7,490	41.5
<u>Industrial Chemicals</u>	SIC 378			
Pigments and Dry Colours	SIC 3781	9,085	8,905	- 2.0
Inorganic Chemicals	SIC 3782	463,134	778,377	68.1
Fertilizer Chemicals	SIC 3782	183,393	229,170	25.0
Organic Chemicals	SIC 3783	<u>301,352</u>	<u>398,921</u>	32.4
SIC 378 TOTAL		956,964	1,415,373	48.0
<u>Miscellaneous Chemicals</u>	SIC 379			
Oils, Fats & Waxes		11,815	13,268	12.3
Agricultural Chemicals Formulated		10,426	7,581	-27.3
Adhesives		2,865	2,802	- 2.2
Industrial Chemical Specialties		41,467	69,928	68.6
Ammunition		<u>2,851</u>	<u>10,138</u>	255.6
SIC 379 TOTAL		69,424	103,717	49.4
Chemicals & Chemical Products	GRAND TOTAL	1,286,402	1,882,923	47.1

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

TABLE VII

CHEMICAL EXPORTS
\$'000

EXPORTS -- CHEMICALS AND CHEMICAL PRODUCTS BY CLASS AND COUNTRY
\$'000 (1978)

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
<u>MIXED FERTILIZERS SIC 372</u>								
416-89	Prepared fertilizer mixtures TOTAL	12,032	11,606	90	166	-	9	161
<u>PLASTICS & SYNTHETIC RESINS SIC 373</u>								
423-16	Polyethylene resins, not shaped	64,908	11,392	2,858	4,731	413	1,599	43,917
423-18	Polystyrene resins, not shaped	7,538	4,405	112	38	1	280	2,705
423-79	Plastics scrap & waste	2,804	2,692	8	2	6	-	96
423-99	Synthetic & reclaimed rubber & plastics materials, not shaped, n.e.s.	185,059	126,116	13,920	6,489	1,582	1,487	35,469
	TOTAL	260,309	144,605	16,890	11,260	3,188	2,180	82,187

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.	7,479	7,237	50	48	-	-	144
214-30	Senega root	118	21	-	54	-	-	43
214-99	Crude herbs and plant parts for medicine	3,530	437	-	88	51	-	2,954
412-91	Sulfonamides in bulk	133	132	-	-	-	-	1
413-10	Vitamins & preparations in bulk	187	88	61	23	-	-	16
413-26	Hormones in bulk	342	24	-	206	111	-	2
413-58	Vegetable alkaloids, narcotic type, bulk	89	-	-	-	-	-	89
413-59	Vegetable alkaloids, non narcotic type, bulk	508	508	-	-	-	-	-
413-63	Penicillin, in bulk	-	-	-	-	-	-	-
413-69	Antibiotics n.e.s. in bulk	42	4	-	38	-	-	1
871-99	Biological products for human use	21,452	4,207	737	6,861	1,499	61	8,083
872-24	Penicillin	935	248	93	-	-	-	593

TABLE VIII (Cont'd)

CHEMICAL EXPORTS
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
<u>PHARMACEUTICALS AND MEDICINES SIC 374 (Cont.)</u>								
872-99	Antibiotics, n.e.s.	5,928	800	9	4,355	1	4	760
874-99	Vitamins & preparations	1,549	296	73	83	-	3	1,090
878-99	Veterinary medicines & feed supplements	5,499	251	84	328	1,357	21	3,461
879-30	Narcotics	-	-	-	-	-	-	-
879-99	Medicinal & pharmaceutical products, n.e.s.	23,801	2,913	1,188	3,566	1,941	227	13,965
	TOTAL	71,592	17,166	2,295	15,650	4,959	316	31,202

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	1,639	792	69	25	24	2	725
428-40	Varnishes and prepared shellacs	896	867	-	-	-	-	30
428-99	Stains, lacquers, thinners, fillers and related products, n.e.s.	4,289	3,340	113	138	55	21	619
TOTAL		6,824	4,999	182	163	79	23	1,374
<u>SOAP & CLEANING COMPOUNDS SIC 376</u>								
800-69	Soap & Detergents	1,682	1,305	-	-	-	3	370
800-99	Cleaning & polishing preparations & household chemicals specialties	3,904	2,209	119	360	4	376	837
TOTAL		5,586	3,514	119	360	4	379	1,207
<u>TOILET PREPARATIONS SIC 377</u>								
800-59	Perfumes, toilet preparations & cosmetics	7,490	2,164	353	296	254	82	4,339

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 & Drycolours SIC 3781</u>								
427-99	Dyestuffs, pigments lakes & toners	8,905	5,853	517	118	11	201	2,206
<u>Inorganic Chemicals SIC 3782</u>								
400-03	Chlorine	8,321	8,183	-	-	-	-	139
400-37	Selenium	10,401	5,130	3,832	261	875	-	305
400-61	Calcium metal	1,418	905	25	38	-	-	449
400-99	Chemical elements, n.e.s.	104,696	27,497	48,455	7,238	13,861	2,065	5,580
401-04	Hydrogen chloride/ aqueous & anhydride	4,221	4,220	-	-	-	-	1
401-15	Sulphuric acid, including oleum	4,062	4,062	-	-	-	-	-
401-99	Inorganic acids & oxygen compounds of non-metals, n.e.s.	28,479	27,702	-	266	-	-	511
402-01	Ammonia anhydrous	59,408	59,408	-	-	-	-	-
402-40	Iron oxides, natural or synthetic	5,475	5,119	3	2	-	-	351

TABLE VIII (Cont'd)

CHEMICAL EXPORTS
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>								
<u>Inorganic Chemicals (Cont.)</u>								
402-46	Cobalt oxides & hydroxides	6,955	6,955	-	-	-	-	-
402-99	Inorganic bases & metallic oxides, hydroxides & peroxides, n.e.s.	36,705	34,779	179	516	308	242	680
404-63	Sodium sulphate, anhydrous (salt cake)	7,811	7,811	-	-	-	-	-
404-99	Metallic salts and peroxy salts of inorganic acids, n.e.s.	39,365	31,540	3,312	335	1	457	3,721
405-35	Radioactive elements & isotopes & compounds & stable isotopes & their compounds	450,983	269,903	38,602	26,605	1,017	30	114,825
405-99	Inorganic chemicals, n.e.s.	10,077	6,728	354	48	73	896	1,977
	TOTAL	778,377	499,942	94,762	35,309	16,135	3,690	128,540
<u>Fertilizer Chemicals SIC 3782</u>								
416-06	Whale meal	31	31	-	-	-	-	-
416-31	Urea	99,858	99,844	-	13	1	-	-
416-44	Ammonium nitrate	34,450	33,395	-	-	-	-	1,055
416-45	Urea, sodium nitrate, calcium cyanamides & nitrogen solutions	7,155	7,088	3	-	-	-	64
416-47	Ammoniated superphosphate, ammonium phosphates & nitrogen phosphate fertilizers, n.e.s.	71,200	49,974	14	-	-	-	21,211
416-48	Ammonium sulphate	14,132	14,132	-	-	-	-	-
416-99	Fertilizers & fertilizer materials, n.e.s.	2,344	2,169	9	160	-	-	5
	TOTAL	229,170	206,633	26	173	1	-	22,335

TABLE VIII (Cont'd)

CHEMICAL EXPORTS

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
<u>INDUSTRIAL CHEMICALS (Cont.)</u>								
<u>Organic Chemicals SIC 3783</u>								
406-99	Hydrocarbons & their derivatives	225,191	135,440	3,209	84,117	695	781	950
407-99	Alcohols & their derivatives	82,096	50,146	1,182	13,326	7,438	1,486	8,519
408-19	Phenols, phenol alcohols & their derivatives	2,414	345	383	90	-	119	1,476
408-39	Ethers, alcohol peroxides, ether peroxides, epoxides, acetals, hemi-acetals & derivatives	8,506	8,501	-	-	-	-	5
408-59	Aldehyde-function compounds	24,422	9,069	2,439	3,224	1,128	382	8,181
408-89	Ketone-function compounds	390	378	4	-	-	-	8
409-99	Organic acids anhydrides & derivatives	18,243	9,672	422	1,122	1,768	2,194	3,066
410-99	Inorganic esters	207	200	5	-	-	-	2
411-99	Nitrogen-function compounds, n.e.s.	17,415	11,343	1,017	3,098	24	187	1,745
412-99	Organo-inorganic compounds & heterocyclic compounds, including inorganic esters	18,830	8,895	4	3,026	1,388	429	5,088
413-99	Organic chemicals, n.e.s.	1,207	539	7	422	34	-	204
	TOTAL	398,921	234,528	8,672	108,425	12,475	5,578	29,244
INDUSTRIAL CHEMICALS	TOTAL	1,415,373	946,956	103,977	144,025	28,622	9,469	182,325

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 & Waxes</u>								
394-49	Waxes, animal and vegetable	1,003	814	185	-	-	3	-
395-99	Chemically modified oils, fats, waxes & derivatives	1,249	1,118	-	9	-	64	59
397-99	Essential oils, natural synthetic	2,414	1,404	57	612	30	5	303
398-99	Gum, wood & vegetable extracts, n.e.s., including tanning & dyeing materials, n.e.s.	8,602	6,611	30	108	916	259	678
	TOTAL	13,268	9,947	272	729	946	331	1,040
418-99	Agricultural chemicals formulated, insecticides & rodenticides	7,581	3,460	52	762	7	183	3,118
	TOTAL	7,581	3,460	52	762	7	183	3,118
<u>Adhesives</u>								
421-19	Glue, animal	637	331	128	161	2	2	14
421-99	Adhesives, n.e.s.	2,165	1,282	112	63	-	22	687
	TOTAL	2,802	1,613	240	224	2	24	701

TABLE VIII (Cont'd)

CHEMICAL EXPORTS
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
<u>MISCELLANEOUS CHEMICALS (Cont.)</u>								
429-99	Industrial chemical specialties & explosives, n.e.s.	69,928	46,414	1,574	5,901	573	1,109	14,360
930-19	Ammunition and parts	10,138	1,673	-	3,628	-	50	4,788
<u>MISCELLANEOUS CHEMICALS TOTAL</u>		<u>103,717</u>	<u>63,107</u>	<u>2,138</u>	<u>11,244</u>	<u>1,528</u>	<u>1,697</u>	<u>24,007</u>
<u>CHEMICALS & CHEMICAL PRODUCTS GRAND TOTAL</u>		<u>1,882,923</u>	<u>1,194,117</u>	<u>126,044</u>	<u>183,164</u>	<u>38,634</u>	<u>14,155</u>	<u>326,802</u>

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>1977</u>		<u>1978</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 ₂ O (Equivalent)	6,353,922	403,707 ^r	7,027,000	492,963 ^p	22.1
<u>Imports</u>						
Potash	416-64	13,043	786	1,979	251	-68.1
<u>Exports</u>						
Potash	416-52 ⁽¹⁾	10,163,474	468,269	10,347,719	493,718	5.4

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

(p) Preliminary

(r) Revised figures

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

TABLE IX

POTASH

POTASH - IMPORTS - EXPORTS BY COUNTRY

\$'000 (1978)

<u>Class</u> <u>No.</u>	<u>Description</u>	<u>All</u> <u>Countries</u>	<u>USA</u>	<u>UK</u>	<u>EEC</u>	<u>Japan</u>	<u>Australia</u>	<u>Other</u>
<u>Imports</u>								
416-64	Potassium chloride	251	228	8	15	-	-	-
<u>Exports</u>								
416-52	Potassium chloride (muriate of potash)	493,718	363,073	480	5,427	34,170	7,949	82,618

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

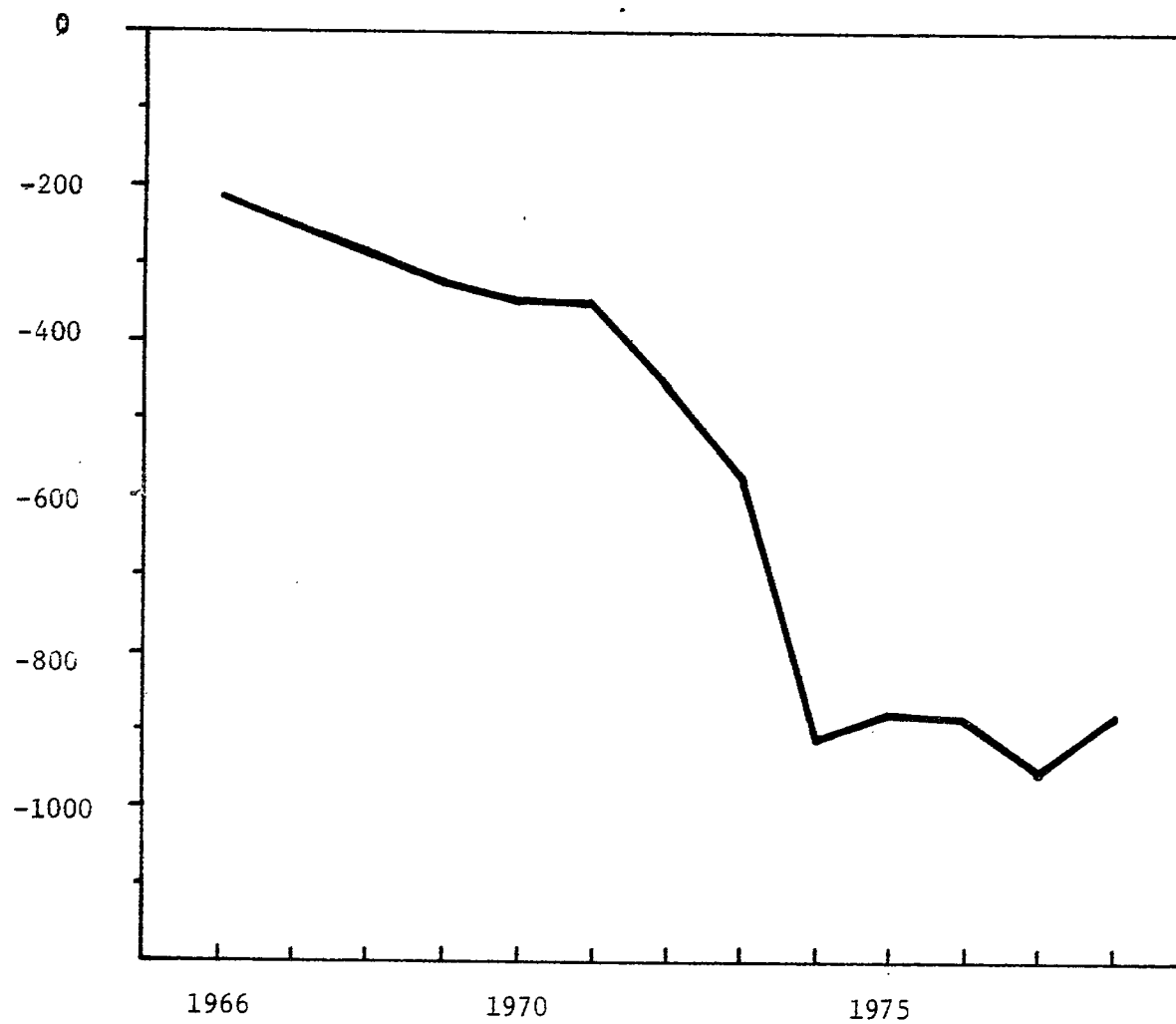


CHART II

TRADE BALANCE FOR CHEMICALS AND CHEMICAL PRODUCTS BY SUB-GROUP

1978

\$'000

<u>DESCRIPTION</u>		<u>IMPORTS</u>	<u>EXPORTS</u>	<u>BALANCE</u>
Mixed Fertilizers	SIC 372	19,312	12,032	- 7,280
Plastics and Synthetic Resins	SIC 373	592,205	260,309	-331,896
Pharmaceuticals & Medicines	SIC 374	248,415	71,592	-176,823
Paint and Varnish	SIC 375	82,601	6,824	- 75,777
Soaps and Cleaning Compounds	SIC 376	37,512	5,586	- 31,926
Toilet Preparations	SIC 377	52,280	7,490	- 44,790
<u>Industrial Chemicals</u>	SIC 378			
Pigments and Dry Colours	SIC 3781	124,692	8,905	-115,787
Inorganic Chemicals	SIC 3782	288,703	778,377	489,674
Fertilizer Chemicals	SIC 3782	74,987	229,170	154,183
Organic Chemicals	SIC 3783	<u>569,049</u>	<u>398,921</u>	-170,128
SIC 378 TOTAL		1,057,431	1,415,373	357,942
<u>Other Chemicals</u>	SIC 379			
Oils, Fats & Waxes		78,034	13,268	- 64,766
Agricultural Chemicals Formulated		137,943	7,581	-130,362
Adhesives		18,419	2,802	- 15,617
Industrial Chemical Specialties		398,591	69,928	-328,663
Inks		12,305	-	-
Explosives and Ammunition		<u>25,463</u>	<u>10,138</u>	- 15,325
SIC 379 TOTAL		670,755	103,717	-567,038
Chemicals and Chemical Products TOTAL		2,760,511	1,882,923	-877,588

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

TABLE XI

TRADE BALANCE - SUB-GROUP
\$'000

CANADIAN TRADE BALANCE FOR CHEMICAL AND CHEMICAL PRODUCTS⁽¹⁾
(Millions of Dollars)

	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>
Imports	1,104.0	1,649.1	1,642.2	1,868.4	2,239.3	2,760.5
Exports ⁽²⁾	<u>526.2</u>	<u>732.3</u>	<u>762.9</u>	<u>982.9</u>	<u>1,286.4</u>	<u>1,882.9</u>
Deficit	- 577.8	- 916.8	- 879.3	- 885.5	- 952.9	- 877.6
Exports of Potassium Chloride	<u>183.9</u>	<u>275.7</u>	<u>292.2</u>	<u>407.6</u>	<u>468.3</u>	<u>493.7</u>
	- 393.9	- 641.1	- 587.1	- 477.9	- 484.6	- 383.9

(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 XII

TRADE BALANCE

CANADIAN TRADE BALANCE FOR CHEMICALS AND CHEMICAL PRODUCTS BY COUNTRY ⁽¹⁾

1978

(Millions of Dollars)

	<u>IMPORTS</u>	<u>% OF TOTAL</u>	<u>EXPORTS</u> ⁽²⁾	<u>% OF TOTAL</u>	<u>BALANCE</u>
United States	2,059.5	74.6	1,194.1	63.4	-865.4
United Kingdom	181.2	6.5	126.0	6.7	- 55.2
EEC Countries	319.4	11.6	183.2	9.7	-136.2
Other Countries	200.4	7.3	379.6	20.2	179.2
TOTAL	2,760.5	100.0	1,882.9	100.0	-877.6

(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".

TABLE XIII

TRADE BALANCE - COUNTRY

CHEMICALS AND CHEMICAL PRODUCTS
APPARENT DOMESTIC MARKET
 1973-1978

(Millions of Dollars)

	SIC No.	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	5-YEAR AVERAGE ANNUAL GROWTH %
<u>Mixed Fertilizers</u>	372							
Factory Shipments		96.5	171.8	166.6	160.6	228.7	176.6	18.2
Imports		8.4	11.0	17.7	16.8	18.7	19.3	
Exports		6.8	13.1	11.1	7.7	8.3	12.0	
Apparent Domestic Market		98.1	169.7	173.2	169.7	239.1	183.9	18.2
<u>Plastic & Synthetic Resins</u>	(1) 373							
Factory Shipments		432.7	574.7	595.6	558.7	596.7	736.9	12.1
Imports		247.9	417.3	318.2	393.1	479.1	592.2	
Exports		88.6	101.9	102.7	131.1	172.9	260.3	
Apparent Domestic Market		592.0	890.1	811.1	820.7	902.9	1068.8	14.2
<u>Pharmaceutical & Medicines</u>	374							
Factory Shipments		536.3	574.7	636.5	739.6	765.9	948.3	12.3
Imports		111.4	146.6	169.8	176.4	224.3	248.4	
Exports		47.1	52.5	58.3	59.9	64.6	71.6	
Apparent Domestic Market		600.6	668.8	748.0	856.1	925.6	1125.1	13.5
<u>Paint and Varnish</u>	375							
Factory Shipments		319.5	407.4	444.5	536.1	531.6	647.8	15.7
Imports		28.7	37.5	50.1	52.7	64.3	82.6	
Exports		2.9	3.7	3.9	4.6	5.2	6.8	
Apparent Domestic Market		345.3	441.2	490.7	584.2	590.7	723.6	16.3

TABLE XIV

CHEMICAL MARKET

	<u>SIC</u> <u>NO.</u>	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>5-YEAR AVERAGE</u> <u>ANNUAL GROWTH</u> %
<u>Soap and Cleaning Compounds</u>	376							
Factory Shipments		294.0	406.8	404.7	470.4	488.8	501.3	12.1
Imports		15.3	20.0	24.7	26.6	31.5	37.5	
Exports		1.4	1.6	2.0	2.9	3.8	5.6	
Apparent Domestic Market		307.9	425.2	427.4	494.1	516.5	533.2	12.4
<u>Toilet Preparations</u>	377							
Factory Shipments		194.6	218.8	255.2	319.2	339.9	423.4	17.0
Imports		17.0	22.7	27.7	31.9	39.9	52.3	
Exports		2.1	4.9	3.5	3.2	5.3	7.5	
Apparent Domestic Market		209.5	236.6	279.4	347.9	374.5	468.2	17.7
<u>Industrial Chemicals</u>	(2) 378							
Factory Shipments		1024.2 ³³	1438.4 ³⁴	1690.4 ³⁰	2139.0 ³⁴	2601.1 ³⁷	3244.5 ^{42.5}	26.1
Imports		406.7	617.1	631.8	724.1	875.9	1057.4	
Exports		342.5	496.7	517.1	715.6	957.0	1415.4	
Apparent Domestic Market		1088.4 ³⁷	1558.8 ^{34.6}	1805.1 ³⁵	2148.0 ³⁴	2520.0 ³⁴	2886.5 ³⁶	22.0
<u>Miscellaneous Chemical Industries</u>	379							
Factory Shipments		515.9	744.8	805.7	909.8	982.1	1271.5	20.6
Imports		277.6	377.1	402.3	446.8	505.5	670.8	
Exports		43.0	57.9	64.3	58.1	69.4	103.7	
Apparent Domestic Market		750.0	1064.0	1143.7	1298.5	1418.2	1838.6	20.3

TABLE XIV (Cont'd)

CHEMICAL MARKET

	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>5-YEAR AVERAGE ANNUAL GROWTH</u> %
<u>Total Chemicals and Chemical Products</u>							
Factory Shipments	3413.7	4537.4	4999.2	5833.3	6534.8	7950.3	18.7
Imports	1113.0	1649.3	1642.2	1868.4	2239.3	2760.5	
Exports	534.4 ^{15.6}	732.3 ¹⁶	762.9 ¹⁵	982.9 ¹⁶	1286.4 ^{10.5}	1882.9 ^Σ	
Apparent Domestic Market	3992.3	5454.4	5878.5	6718.8	7487.7	8827.9	17.6
<u>All Manufacturing</u>							
Factory Shipments	65360.8	80274.6	87597.7	98597.3	109747.0 ^r	130352.7	14.9
Imports	20210.6 ^r	26112.1 ^r	27982.2 ^r	30610.1 ^r	34994.7 ^r	40791.8	
Exports	18296.2 ^r	21312.8 ^r	21901.5 ^r	26469.1 ^r	31776.1 ^r	39599.8	
Apparent Domestic Market	67275.2 ^r	85073.9 ^r	93678.4 ^r	102738.3 ^r	112965.6 ^r	131544.7	14.5

(1) Adjusted to include synthetic rubber.

(2) Adjusted to exclude synthetic rubber.

r Revised

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

TABLE XIV (End)

CHEMICAL MARKET

CHEMICALS AND CHEMICAL PRODUCTS PRODUCTION AND TRADE
1973-78
\$ Million

	<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>
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	5623.4	1868.4	982.9	6508.9	28.7	17.5
1977	6534.8	2239.3	1286.4	7487.7	29.9	19.7
1978	7950.3	2760.5	1882.9	8827.9	31.3	23.7

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>1977</u>	<u>1978</u>	<u>% Change</u>
Other Rubber Industries ⁽¹⁾	1,275,943	1,481,100	16.1

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

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

TABLE XVI

RUBBER SHIPMENTS

IMPORTS OF RUBBER PRODUCTS BY SUB-GROUP SIC 162

\$'000

<u>Description</u>	<u>1977</u>	<u>1978</u>	<u>% Change</u>
Rubber belts & belting	15,805	18,115	14.6
Rubber sheeting	5,570	7,484	34.4
Rubber coated fabrics	32,176	37,383	16.2
Compounded & reclaimed rubber	3,436	5,912	72.1
Rubber hose	24,440	21,013	-14.0
Other rubber products	80,090	111,068	38.7
	<hr/>		
SUB-TOTAL	161,517	200,975	24.4
	<hr/>		
Footwear	8,729	8,672	- 0.7
Rubber tires & tubes	283,709	289,379	2.0
Rubber & allied gums, natural	79,776	86,536	8.5

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

TABLE XVII

RUBBER IMPORTS
\$'000

IMPORTS OF RUBBER PRODUCTS INDUSTRY BY CLASS AND COUNTRY SIC 162
\$'000 (1978)

Class No.	Description	All Countries	USA	UK	EEC	Japan	Other
<u>RUBBER BELTS & BELTING</u>							
321-04	Rubber belts & belting material conveying	3,534	1,363	554	639	960	19
321-15	Rubber belts & belting, V-type, incl. multiple types	12,966	9,903	439	312	1,923	389
321-19	Rubber belts & belting, n.e.s.	1,615	1,318	110	95	64	28
	TOTAL	18,115	12,584	1,103	1,046	2,947	436
<u>RUBBER SHEETING</u>							
323-04	Rubber soling sheets & toplifting sheets	2,015	427	47	611	-	930
323-13	Foam rubber & sponge rubber sheeting	1,624	1,543	3	54	23	-
323-16	Rubber sheeting, n.e.s.	3,845	2,160	285	351	97	952
	TOTAL	7,484	4,130	335	1,016	120	1,882

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.	1,288	1,229	6	54	-	-
387-36	Rubber coated tire fabrics	19,035	18,835	190	10	-	-
387-38	Rubber coated textile belting	5,831	2,372	1,674	276	1,237	271
387-39	Rubber coated fabrics, n.e.s.	11,229	10,940	34	166	32	57
TOTAL		37,383	33,376	1,904	506	1,269	328
<u>COMPOUNDED OR SEMI-PROCESSED RUBBER</u>							
422-60	Compounded or semi-processed rubber	4,203	4,068	39	97	-	-
422-90	Rubber, reclaimed	1,709	1,348	232	100	-	29
TOTAL		5,912	5,416	271	197	-	29
<u>RUBBER HOSE</u>							
493-23	Rubber hose wire braided	1,047	994	20	21	1	11
493-29	Rubber hose & tubing, n.e.s.	14,059	10,061	1,099	2,460	19	419
493-39	Hose, n.e.s. with or without couplings	5,907	4,359	431	587	278	252
TOTAL		21,013	15,414	1,550	3,068	298	682

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	1,404	1,383	15	6	-	-
325-09	Battery parts of rubber	4,983	4,982	-	-	-	-
325-20	Rubber packing	13,963	12,608	289	537	20	510
325-32	Rubber yarn or thread covered or not	2,002	1,991	-	5	-	6
325-36	Rubber washers, gaskets & grommets	6,047	5,491	397	64	9	87
325-40	Rubber weatherstripping	1,844	1,812	4	5	21	2
325-46	Hard rubber fabricated materials, n.e.s.	1,031	949	7	31	-	44
325-49	Tire & tube repair materials	9,729	5,626	205	3,833	7	55
325-58	Motor vehicle parts of rubber, n.e.s.	33,404	31,784	254	330	667	368
325-99	Rubber fabricated materials, n.e.s.	14,015	12,447	509	584	205	271
492-10	Rubber soles & rubber shoe bottoms	4,392	1,045	2	193	10	3,141
492-21	Rubber heels	460	407	2	23	-	28
786-85	Gloves, rubber	6,060	3,155	1,098	199	2	1,606
844-92	Rubber mats & matting	720	696	2	-	1	20

TABLE XVIII (Cont'd)

RUBBER IMPORTS
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Other
<u>OTHER RUBBER PRODUCTS (Cont.)</u>							
961-18	Druggists' sundries, rubber	2,182	2,115	-	64	-	2
961-25	Nipples & soothers, rubber	996	982	14	-	-	-
961-27	Rubber floor mats for automobiles	1,822	1,781	1	3	13	24
961-29	Rubber end products, n.e.s.	6,014	4,940	174	273	231	398
	TOTAL	111,068	94,194	2,973	6,150	1,186	6,562
	GRAND TOTAL	200,975	165,114	8,136	11,983	5,820	9,919
<u>FOOTWEAR</u>							
794-81	Waterproof rubber footwear, n.e.s.	8,672	448	181	389	42	7,611
<u>RUBBER TIRES & TUBES</u>							
621-05	Passenger car tires, pneu, new	108,050	73,339	3,411	18,456	5,765	7,078
621-09	Truck & bus tires, pneu, new	136,873	40,941	9,298	37,006	40,125	9,503
621-15	Tractor & implement tires, pneu, new	13,455	13,266	2	16	9	163
621-20	Ind. tires, pneu & semi-pneu, new	2,769	1,719	9	46	523	472
621-29	Tires, bicycle, motorcycle, pneu, new	4,676	994	376	330	816	2,159
621-49	Pneumatic tires, new, n.e.s.	10,247	7,667	918	1,031	515	116

TABLE XVIII (Cont'd)

RUBBER IMPORTS
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Japan	Other
<u>RUBBER TIRES & TUBES (Cont.)</u>							
625-25	Tire tubes for bicycles, motorcycles	1,126	19	16	13	121	957
625-29	Tire tubes, n.e.s.	9,932	3,209	1,925	4,187	240	370
625-39	Solid & cushion tires	1,002	906	5	90	-	-
625-49	Rebuilt & used tires	1,249	554	255	49	353	38
	TOTAL	289,379	142,614	16,215	61,224	48,467	20,856
<u>RUBBER & ALLIED GUMS, NATURAL</u>							
216-10	Latex, natural crude	3,607	3,594	1	-	-	12
216-20	Crude natural rubber except latex	82,343	4,533	45	60	-	77,705
216-99	Rubber allied gums, n.e.s. & powdered natural rubber	586	342	8	3	-	234
	TOTAL	86,536	8,469	54	63	-	77,951

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>1977</u>	<u>1978</u>	<u>% Change</u>
Rubber belts and belting	1,548	2,219	43.3
Rubber sheeting	1,096	1,304	19.0
Tire fabrics, rubber coated	2,329	3,409	46.4
Hose and hose couplings	15,450	20,194	30.7
Other rubber products	3,330	3,857	15.8
SUB-TOTAL	23,753	30,983	30.4
Footwear	275	262	- 4.7
Rubber tires & tubes	143,702	198,371	38.0

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 (1978)

Class No.	Description	All Countries	USA	UK	EEC	Australia	Other
<u>RUBBER BELTS AND BELTING</u>							
321-15	Rubber belts & belting V-type	453	322	7	-	-	124
321-19	Rubber belts & belting n.e.s.	1,766	1,225	6	33	2	500
	TOTAL	2,219	1,547	13	33	2	624
323-16	Rubber sheeting	1,304	1,229	6	9	2	58
387-36	Rubber-coated tire fabrics	3,409	619	-	41	-	2,749
493-99	Hose & hose couplings	20,194	18,705	67	158	178	1,080
<u>OTHER RUBBER PRODUCTS</u>							
291-85	Rubber waste & scrap	119	103	6	11	-	-
325-39	Rubber gaskets, washers, packing, weatherstripping & similar products	1,474	778	137	1	5	553
325-49	Tire & tube repair material	401	117	264	8	-	12
325-99	Rubber fabricated materials, n.e.s.	1,863	1,349	43	55	20	396
	SUB-TOTAL	3,857	2,347	450	75	25	961
	TOTAL	30,983	24,447	536	316	207	5,472

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	262	221	24	8	1	8
<u>TIRES & TUBES</u>							
621-05	Passenger car tires pneumatic, new	103,138	100,418	4	172	110	2,434
621-09	Truck & bus tires, pneumatic, new	84,166	76,504	872	792	90	5,914
621-15	Tractor & implement tires pneumatic, new	2,670	1,103	366	521	9	669
621-49	Pneumatic tires, new, n.e.s.	94	69	-	-	16	9
625-25	Passenger car tire tubes	219	184	-	-	-	36
625-29	Tire tubes, n.e.s.	2,468	2,377	2	6	-	83
625-49	Solid, cushion rebuilt used tires	5,616	5,445	8	18	57	89
TOTAL		198,371	186,100	1,252	1,509	282	9,234

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>1977</u>	<u>1978</u>	<u>Change</u> [%]
Plastic fabricators, n.e.s.	1,238,546	1,472,708	18.9

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

TABLE XXI

PLASTICS SHIPMENTS
 \$'000

IMPORTS - EXPORTS PLASTIC FABRICATED PRODUCTS

\$'000

<u>Description</u>	<u>1977</u>	<u>1978</u>	<u>% Change</u>
<u>IMPORTS</u>			
Plastic film & sheets	106,074	130,775	23.3
Laminated plastic materials	17,908	24,559	37.1
Plastic fabricated materials	110,264	137,086	24.3
Shipping containers, plastic & parts	29,695	37,200	25.3
End products	99,353	98,721	- 0.6
TOTAL	363,294	428,341	17.9
<u>EXPORTS</u>			
Plastic film & sheets	47,048	50,780	7.9
Laminated plastic materials	692	1,147	65.8
Plastic fabricated materials	36,934	48,611	31.6
Shipping containers, plastic & parts	10,105	15,034	48.8
End products	4,702	6,128	30.3
TOTAL	99,481	121,700	22.3

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 (1978)

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>PLASTIC FILM AND SHEET</u>									
424-13	Polyester film & sheet	24,275	21,362	706	1,860	30	318	-	-
424-31	Acrylic film & sheet	11,479	9,009	58	724	-	956	-	732
424-33	Polyethylene film & sheet	14,499	13,907	63	208	162	8	49	101
424-37	Polystyrene film & sheet	2,404	2,362	-	42	-	-	-	-
424-44	Vinyl chloride film & sheet	23,842	17,367	469	1,939	56	2,359	-	1,653
424-46	Vinyl butyral film & sheet	15,877	15,557	-	-	33	287	-	-
424-49	Vinyl film & sheet, n.e.s.	8,798	8,197	1	148	7	383	-	62
424-53	Polypropylene film & sheet	14,155	10,145	1,700	526	1	1,757	-	24
424-56	Rubber hydrochloride film & sheet	13	5	-	8	-	-	-	-
424-99	Plastic film & sheet, n.e.s.	15,433	14,658	38	503	7	164	-	62
	TOTAL	130,775	112,569	3,035	5,958	296	6,232	49	2,634
425-40	Laminated plastic material fabric base	1,774	1,618	84	-	-	28	-	44
425-47	Decor, laminated plastic, paper base	2,459	2,091	1	112	-	-	-	256
425-49	Laminated plastics materials, n.e.s.	20,326	17,781	382	777	178	185	-	1,022
	TOTAL	24,559	21,490	467	889	178	213	-	1,322

TABLE XXIII (Cont'd)

PLASTICS IMPORTS
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>FABRICATED MATERIALS</u>									
425-12	Layflat tubing plastic	2,134	1,670	-	254	-	141	-	70
425-15	Pipe, tubes & rigid or semi rigid tubing, plastic (except laminated)	10,296	9,566	19	596	-	71	-	44
425-24	Blocks, rods, bars, angles channels & similar shapes plastic (except expanded or laminated)	1,508	1,170	12	324	-	1	-	-
425-30	Polyurethane foamed & expanded shapes	4,495	4,487	6	1	-	-	-	-
425-31	Foamed & expanded plastics basic shapes & forms	11,031	10,218	342	257	58	109	2	46
425-55	Plastic sheet, reinforced (except laminated)	3,799	3,173	79	427	-	102	-	18
425-62	Plastic handles & knobs	3,003	2,844	22	45	7	10	-	76
425-64	Plastic pipe fittings	5,331	5,041	36	215	-	-	-	39
425-77	Vulcanized fibre materials	1,521	1,506	4	11	-	-	-	-
425-90	Plastic tape	4,818	3,522	247	545	25	173	-	305
425-99	Plastic fabricated material, n.e.s.	38,284	31,215	1,907	3,063	256	843	-	1,001
494-35	Floor & wall tiles, solid vinyl	1,976	1,472	-	45	-	12	-	448
494-44	Floor & wall tiles, vinyl asbestos	259	258	-	-	-	1	-	-
494-59	Plastic wall covering	5,483	2,767	2,469	192	-	-	-	54
494-63	Vinyl surface felt base floor covering	1,792	1,760	20	13	-	-	-	-
494-65	Vinyl floor covering cushioned	26,796	26,155	74	456	-	-	-	112
494-69	Plastic floor covering	7,648	6,973	95	96	-	-	-	485

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.	2,166	995	996	147	-	-	-	28
494-88	Cove base plastic or rubber	2,351	2,323	-	19	-	-	-	9
494-89	Flooring & wall covering n.e.s.	2,127	1,647	219	192	-	1	5	61
496-93	Weather stripping of two or more materials	268	261	8	-	-	-	-	-
	TOTAL	137,086	119,023	6,555	6,897	346	1,463	7	2,796
<u>SHIPPING CONTAINERS, PLASTIC & PARTS</u>									
950-78	Plastic bottles, vials & ampoules	6,079	5,793	38	125	-	13	-	61
950-79	Shipping & distribution containers, plastic & parts, n.e.s.	22,588	17,870	705	1,598	13	84	-	2,319
950-88	Bottle caps, plastic	8,533	7,715	225	530	3	2	-	107
	TOTAL	37,200	31,378	968	2,253	16	99	-	2,487
<u>END PRODUCTS</u>									
705-04	Laboratory plastic ware	4,325	3,950	162	90	41	-	-	82
786-83	Gloves, mittens, plastic	7,655	2,729	51	7	-	39	-	4,829
850-68	Tableware, plastic	9,277	8,495	150	230	1	60	-	340
944-18	Buttons, plastic	1,403	833	83	316	19	125	-	27
961-99	Plastic end products, n.e.s.	76,061	63,108	2,111	4,835	247	837	37	4,887
	TOTAL	98,721	79,115	2,557	5,478	308	1,061	37	10,165
	GRAND TOTAL	428,341	363,575	13,582	21,475	1,144	9,068	93	19,404

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

TABLE XXIII (End)

PLASTICS IMPORTS
\$'000

EXPORTS - PLASTIC FABRICATED PRODUCTS BY CLASS AND COUNTRY
\$'000 (1978)

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
424-99	Plastic film & sheet	50,780	25,204	2,650	1,300	54	5,614	15,961
425-49	Laminated plastic materials	1,147	581	2	155	-	74	335
<u>Fabricated Materials</u>								
425-20	Plastic pipe, tubing and hosing	6,869	5,647	41	35	-	73	1,073
425-99	Plastic fabricated materials	25,160	21,282	241	415	29	379	2,815
494-59	Floor & ceiling tiles, n.e.s.	5,170	3,152	37	119	71	174	1,617
494-89	Floor & wall covering, n.e.s.	11,412	7,324	59	725	1,482	930	892
	TOTAL	48,611	37,405	378	1,294	1,582	1,556	6,397
<u>SHIPPING CONTAINERS, PLASTIC AND PARTS</u>								
950-76	Plastic bags	4,652	2,448	154	442	-	31	1,578
950-77	Plastic bottles, vials & ampoules	3,975	3,906	5	2	-	-	63
950-79	Shipping containers, plastic & parts	6,407	5,590	283	143	23	32	335
	SUB-TOTAL	15,034	11,944	442	587	23	63	1,976
961-90	End products	6,128	5,617	149	167	2	31	162
	TOTAL	121,700	80,751	3,621	3,503	1,661	7,338	24,831

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

TABLE XXIV

PLASTICS EXPORTS
\$'000

PRODUCTION OF CRUDE PETROLEUM & NATURAL GAS INDUSTRY SIC 064

<u>Description</u>	<u>1977</u> \$'000	<u>1978(p)</u> \$'000	<u>%</u> <u>Change</u>
Crude petroleum	4,871,500	5,660,440	16.2
Natural gas	3,422,070	3,881,585	13.4
Natural gas by-products	969,725	957,168	- 1.3
Sulphur in smelter gas	14,164	13,635	- 3.7
Sulphur, elemental	80,608	100,168	24.3

(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>1977</u> \$'000	<u>1978</u> \$'000.	<u>%</u> <u>Change</u>
Crude petroleum	3,243,187	3,466,288	6.9
Natural gas	43	115	167.4
Bituminous substances	4,147	3,107	- 25.1
Liquified petroleum gases	2,843	4,492	58.0
Sulphur	774	989	27.8
TOTAL	<u>3,250,994</u>	<u>3,474,991</u>	<u>6.9</u>

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

TABLE XXVI

CRUDE PETROLEUM & NATURAL GAS IMPORTS
\$'000

IMPORTS OF CRUDE PETROLEUM AND NATURAL GAS INDUSTRY BY COUNTRY

JANUARY-DECEMBER 1978

\$/000

Class No.	Description	All Countries	USA	UK	EEC	Middle East	Venezuela	Other
264-10	Crude petroleum	3,466,288	527,897	-	2	1,548,667	1,197,878	191,844
264-31	Natural gas	115	115	-	-	-	-	-
<u>BITUMINOUS SUBSTANCES</u>								
264-32	Asphalt, natural	863	846	6	-	-	-	11
264-99	Crude bituminous substances, n.e.s.	2,244	248	-	113	-	1,882	-
	SUB-TOTAL	3,107	1,094	-	113	-	1,882	11
439-65	Liquified petroleum gases	4,492	4,377	22	82	-	-	11
279-77	Sulphur, crude or refined	989	963	-	26	-	-	-
	TOTAL	3,474,991	534,446	28	223	1,548,667	1,199,760	191,866

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>1977</u> \$'000	<u>1978</u> \$'000	<u>%</u> <u>Change</u>	
Crude petroleum	1,750,637	1,572,662	- 10.2	
Natural gas	2,028,053	2,190,294	8.0	
Bituminous substances	54,725	61,654	12.7	
Liquified petroleum gases	448,613	391,462	- 12.7	
Sulphur	122,075	163,940	34.3	
SIC 064	TOTAL	4,404,103	4,380,012	- 0.5

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

TABLE XXVIII

EXPORTS CRUDE PETROLEUM & NATURAL GAS
\$'000

EXPORTS OF CRUDE PETROLEUM AND NATURAL GAS INDUSTRY BY COUNTRY
\$'000 (1978)

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
264-10	Crude petroleum	1,572,662	1,572,662	-	-	-	-	-
264-31	Natural gas	2,190,294	2,190,294	-	-	-	-	-
264-99	Crude bituminous substances, n.e.s.	61,654	61,645	-	9	-	-	-
<u>Liquified Petroleum Gases</u>								
439-62	Butane	155,717	155,717	-	-	-	-	-
439-63	Propane	235,745	204,105	-	-	31,597	-	43
	SUB-TOTAL	391,462	359,822	-	9	31,597	-	43
<u>Sulphur, Crude or Refined</u>								
279-75	Sulphur in ores	57	57	-	-	-	-	-
279-77	Sulphur, crude or refined, n.e.s.	163,883	20,253	2,112	19,606	-	17,067	104,847
	SUB-TOTAL	163,940	20,310	2,112	19,606	-	17,067	104,847
	TOTAL	4,380,012	4,204,733	2,112	19,615	31,597	17,067	104,890

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

TABLE XXIX

EXPORTS CRUDE PETROLEUM & NATURAL GAS
\$'000

PETROLEUM REFINERIES SIC 365ESTIMATED VALUE OF SHIPMENTS

\$('000)

<u>Description</u>	<u>1977</u>	<u>1978</u>	<u>% Change</u>
Petroleum refineries ⁽¹⁾	8,272,602	9,734,459	17.7

(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>1977</u>	<u>1978</u>	<u>% Change</u>
<u>Petroleum Refineries SIC 365</u>			
Gasoline	358	358	-
Fuel oil	116,487	147,978	27.0
Other refinery products	12,091	16,786	38.8
Lubricating oils & greases	56,852	64,460	13.4
SIC 365 TOTAL	185,788	229,582	23.6
<u>Miscellaneous Petroleum & Coal Products</u>			
SIC 369 TOTAL	114,816	145,784	27.0
GRAND TOTAL	300,604	375,366	24.9

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

TABLE XXXI

IMPORTS PETROLEUM & COAL PRODUCTS
\$'000

IMPORTS - PETROLEUM AND COAL PRODUCTS BY COUNTRY
\$'000 (1978)

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	85	85	-	-	-	-	-
431-49	Motor gasoline, n.e.s.	273	39	-	-	234	-	-
	TOTAL	358	124	-	-	234	-	-
<u>Fuel Oil</u>								
432-09	Aviation turbine fuel	6,851	69	-	2,368	4,218	-	195
432-19	Diesel and Tractor fuel	3,209	97	-	-	2,759	-	353
432-25	Kerosene, n.e.s. (including gas oil)	68	53	-	-	15	-	-
432-40	Fuel oil No. 1 (stove oil)	7	7	-	-	1	-	-
432-45	Fuel oil (No. 2 & 3) (furnace & light fuel oil)	1,508	7	-	-	1,501	-	-
432-59	Fuel oil, n.e.s. (heavy oil)	136,335	30,015	-	2	12,469	76,803	17,045
	TOTAL	147,978	30,248	-	2,370	20,963	76,803	17,593
<u>OTHER REFINERY PRODUCTS</u>								
439-20	Naphtha	1,135	1,135	-	-	-	-	-
439-29	Refined mineral oils, n.e.s. (except chemicals)	10,934	10,009	511	414	-	-	-
439-45	Petroleum jelly	1,372	1,372	-	-	-	-	-

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.)</u>								
439-50	Paraffin wax, crude	662	662	-	-	-	-	-
439-55	Microcrystalline wax	701	674	-	-	-	-	27
439-59	Paraffin wax, refined, n.e.s.	1,982	1,768	45	141	-	-	27
	TOTAL	16,786	15,620	556	555	-	-	54
<u>Lubricating Oils and Greases</u>								
433-29	Cutting, penetrating & lubricating oils	54,360	43,146	412	3,181	-	-	7,621
433-49	Lubricating greases	10,100	9,719	103	175	-	-	103
	TOTAL	64,460	52,865	515	3,356	-	-	7,724
PETROLEUM REFINERIES	TOTAL	229,582	98,857	1,071	6,281	21,197	76,803	25,371
<u>MISCELLANEOUS PETROLEUM & COAL PRODUCTS SIC 369</u>								
435-30	Petroleum coke pitch coke	51,815	49,579	2,236	-	-	-	-
435-49	Coke, n.e.s.	58,138	51,994	590	5,555	-	-	-
439-09	Refined asphalts & road oils	2,160	2,160	-	-	-	-	-
439-41	Coal tar & coal pitch	21,330	10,900	-	-	-	-	10,431

TABLE XXXII (Cont'd)

IMPORTS PETROLEUM & COAL PRODUCTS
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Neth. Antilles	Venezuela	Other
<u>MISCELLANEOUS PETROLEUM & COAL PRODUCTS (Cont.)</u>								
439-95	Petroleum products n.e.s. (except chemicals)	10,511	10,352	48	1	-	-	110
261-89	Coal & coke briquettes	1,661	1,661	-	-	-	-	-
439-97	Coal products n.e.s. (except chemicals)	169	164	-	4	-	-	-
<u>MISCELLANEOUS PETROLEUM & COAL PRODUCTS TOTAL</u>		<u>145,784</u>	<u>126,810</u>	<u>2,874</u>	<u>5,560</u>	<u>-</u>	<u>-</u>	<u>10,541</u>
<u>PETROLEUM AND COAL PRODUCTS GRAND TOTAL</u>		<u>375,366</u>	<u>225,667</u>	<u>3,945</u>	<u>11,841</u>	<u>21,197</u>	<u>76,803</u>	<u>35,912</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>1977</u> \$'000	<u>1978</u> \$'000	<u>%</u> <u>Change</u>
<u>Petroleum Refineries SIC 365</u>			
Gasoline	38,938	23,248	- 40.3
Fuel oil	113,333	266,274	134.9
Lubricating oils & greases	1,272	1,379	8.4
SIC 365 TOTAL	153,543	290,901	89.5
<u>Miscellaneous Petroleum & Coal Products SIC 369</u>			
Coke of petroleum and coal	27,854	27,760	- 0.3
Other petroleum and coal products	19,378	66,418	242.7
SIC 369 TOTAL	47,232	94,178	99.4
Petroleum and coal products - Total	200,775	385,079	91.8

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 (1978)

Class No.	Description	All Countries	USA	UK	EEC	St. Pierre & Miguelon	Other
<u>GASOLINE</u>							
431-99	Gasoline	23,248	21,339	-	-	246	1,662
<u>FUEL OIL</u>							
432-49	Fuel oil No. 1,2,3 (stove, furnace & light fuel oil)	38,307	10,044	3,872	5,810	3,359	15,222
432-59	Fuel oil heavy No. 4,5, 6 & bunker oils	215,519	215,519	-	-	-	-
432-69	Fuel oil, n.e.s.	12,448	12,087	37	-	314	10
	TOTAL	266,274	237,650	3,909	5,810	3,673	15,232
<u>LUBRICATING OILS & GREASES</u>							
433-99	Lubricating oils & grease	1,379	491	32	98	150	609
<u>PETROLEUM COKE & PITCH COKE</u>							
261-89	Coal & coke briquettes	-	-	-	-	-	-
435-30	Petroleum coke and pitch coke	14,644	10,592	754	-	-	3,298
435-49	Coke, n.e.s.	13,116	11,160	-	1,954	-	2
	TOTAL	27,760	21,752	754	1,954	-	3,300

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	10,920	10,149	645	2	-	125
439-41	Coal tar and coal pitch	1,180	1,123	-	-	-	57
439-99	Petroleum & coal products, n.e.s.	54,318	50,600	2,686	388	21	624
	TOTAL	66,418	61,872	3,331	390	21	806
	GRAND TOTAL	385,079	343,104	8,026	8,252	4,090	21,609

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>1977</u> \$'000	<u>1978</u> \$'000	<u>%</u> <u>Change</u>
Surgical and medical supplies	104,454	130,575	25.0
Dental supplies	22,747	24,678	8.5
Ophthalmic goods	52,802	68,543	29.8
Hearing aids and parts	6,017	7,815	29.9
Orthopaedic appliances	6,778	9,609	41.8
Medical instruments and related products	178,017	205,349	15.4
TOTAL	370,815	446,569	20.4

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 (1978)

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	8,456	5,766	1,897	586	2	7	-	196
881-20	Sutures, suture needles and sutures with needles	7,068	5,895	78	808	100	13	-	173
881-31	Blood handling, analysing, collecting and processing supplies	12,121	6,879	51	303	52	466	-	4,370
881-41	Urinary and ostomy appliances, supplies and parts	3,058	2,693	122	198	-	37	-	8
881-51	Catheters, bougies, drains and sondes	5,911	5,160	549	13	-	172	-	16
881-71	Hospital supplies of chemical origin	31,370	25,650	1,201	3,621	220	101	-	578
881-81	Surgical implants	9,793	8,467	219	510	576	16	-	5
881-94	Disposable syringes, syringe needles and parts	12,951	12,068	11	94	8	702	-	68
881-97	Disposable medical and surgical instruments and kits n.e.s.	15,307	11,046	998	981	1	107	-	2,173
881-99	Medical, surgical and hospital supplies, n.e.s.	24,540	21,686	803	605	89	133	52	1,173
<u>SURGICAL AND MEDICAL SUPPLIES TOTAL</u>		<u>130,575</u>	<u>105,310</u>	<u>5,929</u>	<u>7,719</u>	<u>1,048</u>	<u>1,754</u>	<u>52</u>	<u>8,760</u>

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>DENTAL SUPPLIES</u>									
882-04	Artificial teeth, dentures and parts	5,292	4,025	42	846	244	38	-	97
882-99	Dental supplies, n.e.s.	19,386	17,052	301	703	980	124	-	227
DENTAL SUPPLIES TOTAL		24,678	21,077	343	1,549	1,224	162	-	324
<u>OPHTHALMIC GOODS</u>									
883-12	Spectacle and eyeglass frames	27,371	4,552	93	17,354	268	1,192	-	3,912
883-14	Sunglasses, complete with lenses	11,167	4,714	484	2,587	15	1,672	142	1,553
883-16	Spectacles and eyeglasses complete with lenses n.e.s.	679	426	1	119	-	69	-	64
883-19	Parts for spectacle and eyeglass frames	3,344	2,028	37	886	98	77	-	216
883-99	Ophthalmic goods n.e.s.	25,982	19,335	2,206	3,103	10	993	-	336
OPHTHALMIC GOODS TOTAL		68,543	31,055	2,821	24,049	391	4,003	142	6,081
<u>HEARING AIDS</u>									
884-99	Hearing aids and parts	7,815	4,639	23	2,642	391	24	-	96
<u>ORTHOPAEDIC APPLIANCES</u>									
885-52	Artificial limbs (prosthetic) and parts	1,500	1,423	39	20	16	-	-	1
885-54	Elastic hosiery	1,100	1,023	12	52	13	-	-	-

TABLE XXXVI (Cont'd)

IMPORTS HEALTH CARE
\$'000

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>ORTHOPAEDIC APPLIANCES (Cont.)</u>									
885-71	Wheel chairs, invalid chairs and parts	3,027	2,567	375	83	2	-	-	-
885-99	Orthopaedic appliances and parts n.e.s.	3,982	3,436	176	287	10	22	-	51
ORTHOPAEDIC APPLIANCES TOTAL		9,609	8,449	602	442	41	22	-	52

MEDICAL AND RELATED INSTRUMENTS AND EQUIPMENT

706-09	Physiological monitoring and recording equipment, systems, accessories and parts	21,855	19,288	224	1,000	129	90	-	1,125
706-19	Electro-medical and electro-surgical equipment, apparatus and parts n.e.s.	7,321	5,932	347	627	244	36	-	136
706-31	Surgical instruments of steel, accessories and parts	22,658	17,731	997	2,565	209	265	-	890
706-39	Medical diagnostic instruments n.e.s.	18,186	15,053	151	1,340	335	1,184	2	120
706-51	Dental instruments, equipment, accessories and parts	18,818	16,271	329	1,004	190	887	-	137
706-69	Ophthalmic equipment, apparatus, accessories and parts	2,276	1,686	88	111	291	91	-	10

Class No.	Description	All Countries	USA	UK	EEC	Switz.	Japan	Mexico	Other
<u>MEDICAL AND RELATED INSTRUMENTS AND EQUIPMENT (Cont.)</u>									
706-79	Physiotherapy and veterinary instruments, equipment and parts	3,199	2,613	41	484	4	-	-	56
706-81	Sterilizers, autoclaves and parts (except industrial)	4,235	4,128	9	53	-	5	-	40
706-83	Anaesthetic, and oxygen administering equipment, accessories and parts	13,140	12,767	343	22	2	1	-	5
706-89	Medical and hospital equipment and parts n.e.s.	23,655	20,649	606	862	228	317	9	984
707-29	Optical apparatus and instruments and parts n.e.s.	11,126	7,796	354	539	86	2,151	-	201
709-09	X-ray and related equipment and parts	58,880	42,327	335	13,661	206	1,081	-	1,269
MEDICAL AND RELATED INSTRUMENTS AND EQUIPMENT TOTAL		205,349	166,241	3,824	22,268	1,924	6,108	11	4,973
GRAND TOTAL		446,569	336,771	13,542	58,669	5,019	12,073	205	20,286

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

SIC 391

<u>Description</u>	<u>1977</u> \$'000	<u>1978</u> \$'000	<u>%</u> <u>Change</u>
Surgical and medical supplies	6,056	9,302	63.6
Dental supplies	3,660	1,876	-48.7
Ophthalmic goods	15,505	13,824	-10.8
Hearing aids & orthopaedic appliances and parts	1,161	2,072	78.5
Medical & related instruments and parts	<u>31,824</u>	<u>44,522</u>	<u>39.9</u>
TOTAL	<u>58,206</u>	<u>71,596</u>	<u>23.0</u>

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 (1978)

Class No.	Description	All Countries	USA	UK	EEC	Japan	Australia	Other
<u>SURGICAL AND MEDICAL SUPPLIES</u>								
881-13	Bandages, dressings, surgical gauze	2,479	1,992	123	33	-	45	285
881-99	Medical and surgical supplies, n.e.s.	6,823	2,376	645	1,927	662	180	1,039
SURGICAL & MEDICAL SUPPLIES TOTAL		9,302	4,368	768	1,960	662	225	1,324
<u>DENTAL SUPPLIES</u>								
882-99	Dental supplies	1,876	1,248	49	101	218	11	251
<u>OPHTHALMIC GOODS</u>								
883-20	Ophthalmic lenses	4,740	391	310	931	1,480	193	1,434
883-99	Ophthalmic goods, n.e.s.	9,084	2,022	272	1,282	307	486	4,715
DENTAL SUPPLIES TOTAL		13,824	2,413	582	2,213	1,787	679	6,149
<u>HEARING AIDS, ORTHOPAEDIC APPLIANCES & PARTS</u>								
885-99	Hearing aids, orthopaedic appliances and parts	2,072	761	30	968	98	25	190
<u>MEDICAL & RELATED INSTRUMENTS & PARTS</u>								
706-99	Medical & related instrument equipment and parts, n.e.s.	14,124	8,889	658	1,213	573	577	2,210
707-99	Optical instruments & parts	1,752	1,302	103	118	10	49	166
709-09	X-ray & related equipment and parts	28,646	20,126	558	2,873	406	144	4,542
MEDICAL & RELATED INSTRUMENTS AND PARTS TOTAL		44,522	30,317	1,319	4,204	989	770	6,918

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

TABLE XXXVIII

EXPORTS HEALTH CARE
\$'000

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>								
1. Mixed fertilizers	1976	0.4	2.7	3.1	1.0	6.1	7.1	10.2
	1977	2.3	6.8	9.1	0.9	5.4	6.3	15.4
	1978	1.9	5.3	7.2	1.2	5.8	7.0	14.2
2. Plastics and synthetic resins	1976	11.3	58.3	69.6	1.0	23.1	24.1	93.7
	1977	11.7	42.5	54.2	2.0	24.4	26.4	80.6
	1978	8.9	46.1	55.0	2.8	30.7	33.5	88.5
3. Pharmaceuticals and medicines	1976	10.6	13.7	24.3	3.0	5.7	8.7	33.0
	1977	12.2	14.8	27.0	3.1	6.3	9.4	36.4
	1978	12.1	18.6	30.7	2.8	6.5	9.3	40.0
4. Paints and varnish	1976	4.5	6.8	11.3	1.2	3.4	4.6	15.9
	1977	3.3	9.3	12.6	1.4	4.2	5.6	18.2
	1978	1.9	7.3	9.2	1.1	4.6	5.7	14.9
5. Soap and cleaning compounds	1976	2.1	18.0	20.1	1.0	8.8	9.8	29.9
	1977	2.9	14.3	17.2	1.0	11.1	12.1	29.3
	1978	6.4	19.1	25.5	0.9	11.2	12.1	37.6
6. Toilet preparations	1976	2.6	4.5	7.1	1.0	1.1	2.1	9.2
	1977	3.3	5.5	8.8	1.1	2.1	3.2	12.0
	1978	1.1	6.1	7.2	0.9	1.7	2.6	9.8
7. Industrial chemicals	1976	390.8	638.6	1029.4	21.2	162.8	184.0	1213.4
	1977	437.3	719.8	1157.1	51.5	215.7	267.2	1424.3
	1978	553.9	665.4	1219.3	61.2	226.4	287.6	1506.9

TABLE XXXIX (Cont'd)

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>CONT'D</u>								
8. Other chemical and chemical products	1976	8.4	18.6	27.0	3.8	16.5	20.3	47.3
	1977	16.7	27.8	44.5	4.1	17.8	21.9	66.4
	1978	13.9	39.9	53.8	3.5	17.1	20.6	74.4
Sub-total (Items 1 to 8)	1976(2)	430.7	761.2	1191.9	33.2	227.5	260.7	1452.6
	1977(2)	489.7	840.8	1330.5	65.1	287.0	352.1	1682.6
	1978(2)	600.1	807.8	1407.9	74.4	304.0	378.4	1786.3
<u>RUBBER INDUSTRIES...</u>	1976	9.0	41.2	50.2	4.3	52.5	56.8	107.0
	1977	7.0	49.4	56.4	4.1	53.2	57.3	113.7
	1978	5.7	49.1	54.8	4.8	61.0	65.8	120.6
<u>PLASTICS FABRICATING INDUSTRY...</u>	1976	7.9	32.4	40.3	2.7	21.3	24.0	64.3
	1977	7.2	37.6	44.8	2.6	24.6	27.2	72.0
	1978	10.8	36.6	47.4	2.6	19.3	21.9	69.3
<u>PETROLEUM AND COAL PRODUCTS INDUSTRIES...</u>	1976	255.9	88.3	344.2	101.2	35.8	137.0	481.2
	1977	268.2	98.4	366.6	125.7	45.8	171.5	538.1
	1978	230.3	95.6	325.9	121.9	47.1	169.0	494.9
<u>MANUFACTURING - TOTAL -</u>	1976	1439.7	4025.6	5465.3	438.2	2453.2	2891.4	8356.7
	1977	1658.9	4421.8	6080.7	530.5	2685.3	3215.8	9296.5
	1978	1674.7	4565.1	6239.8	545.2	2836.5	3381.7	9621.5

(1) 1976 actual expenditures, 1977 and 1978 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 1979" (61-205).

TABLE XXXIX (End)

CAPITAL AND REPAIR EXPENDITURES

CAPITAL AND REPAIR EXPENDITURES

1977-1979⁽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>	1977	489.7	840.8	1330.5	65.1	287.0	352.1	1682.6
	1978	600.1	807.8	1407.9	74.4	304.0	378.4	1786.3
	1979	392.4	757.9	1150.3	81.2	320.3	401.5	1551.8
<u>RUBBER AND PLASTICS PRODUCTS INDUSTRIES ...</u>	1977	14.2	87.0	101.2	6.7	77.8	84.5	185.7
	1978	16.5	85.7	102.2	7.4	80.3	87.7	189.9
	1979	20.3	104.9	125.2	6.8	84.8	91.6	216.8
<u>PETROLEUM AND COAL PRODUCTS INDUSTRIES ...</u>	1977	268.2	98.4	366.6	125.7	45.8	171.5	538.1
	1978	230.3	95.6	325.9	121.9	47.1	169.0	494.9
	1979	159.7	80.2	239.9	136.8	52.3	189.1	429.0
<u>MANUFACTURING - TOTAL -</u>	1977(1)	1658.9	4421.8	6080.7	530.5	2685.3	3215.8	9296.5
	1978(2)	1674.7	4565.1	6239.8	545.2	2836.5	3381.7	9621.5
	1979(2)	1630.0	5167.9	6797.9	595.6	3029.5	3625.1	10423.0

(1) 1977 actual expenditures, 1978 and 1979 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 1979" (61-205).

TABLE XL

CAPITAL AND REPAIR EXPENDITURES

CHEMICALS BRANCH STATISTICAL REVIEWREFERENCE 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 1979
61-214	Investment Statistics
65-004	Exports by Commodities
65-007	Imports by Commodities

