



Industrial Chemicals and Synthetic Resins

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Table 1

Production of New Virgin Resin (Excluding Compounding or Colouring Ingredients), by Products, Canada

Product	SCG* Code	December 2002	Year-to-date 2002	December 2003	Year-to-date 2003	Year-to-date change 2003/2002
metric tonnes						%
Synthetic resins						
Polyethylene, low and linear low density ¹	3901.10, 3901.90.10	158,891 ^r	x	129,653	1,693,533	x
Polyethylene, high density	3901.20	99,724 ^r	x	76,790	1,389,839	x
Polyethylene, total²		258,615^r	3,330,257^r	206,443	3,083,372	-7.4
Polystyrene and acrylonitrile-butadiene-styrene (abs) ³	3903.1, 3903.30	15,127	195,138	15,188	183,118	-6.2
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	6,965	113,138	10,429	139,342	23.2

See footnote(s) at end of Table 2.

Selected data series are available on **CANSIM**, table 303-0014.

Manufacturing, Construction and Energy Division
February 2004

Note of appreciation

Canada owes the success of its statistical system to a long-standing partnership between Statistics Canada, the citizens of Canada, its businesses and governments. Accurate and timely statistical information could not be produced without their continued cooperation and goodwill.

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Table 2
Production of Industrial Chemicals, by product, Canada

Product	SCG* Code	December	Year-to-date	December	Year-to-date	Year-to-date
		2002	2002	2003	2003	change 2003/2002
		metric tonnes				%
Acids						
Hydrochloric (muriatic) acid, 100%	2806.10.20	12,969	151,334	13,401	152,594	0.8
Nitric acid, 100 %	2808.00.10	87,008	1,142,723	93,789	1,104,690	-3.3
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	340,519	3,887,376	353,962	3,464,954	-10.9
Other Industrial Chemical Products						
Aluminum sulphate (alum)	2833.22	13,856	176,426	17,690	170,579	-3.3
Ammonia, anhydrous, 100%	2814.10	432,931	4,501,117	416,018	4,454,712	-1.0
Ammonium nitrate, all grades	3102.30	92,654	1,151,885	81,897	1,030,511	-10.5
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	23,549	275,926	25,448	275,933	0.0
Butylene	2901.23	20,236	254,833	22,454	238,230	-6.5
Carbon black	2803	15,725	215,322	17,327	205,077	-4.8
Chlorine	2801.10	90,238	1,094,644	83,103	993,983	-9.2
Ethylene	2901.21	394,171	4,733,660	430,327	4,728,897	-0.1
Formaldehyde, 100% solids basis	2912.11	17,618	211,528	19,513	244,524	15.6
Hydrogen peroxide, 100%	2847.00	18,574	222,008	20,831	226,454	2.0
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	83,859	955,943	83,781	937,790	-1.9
Sodium chlorate	2829.11	95,565	1,055,119	102,473	1,129,081	7.0
Sodium hydroxide (caustic soda), as 100% NaOH	2815.1	90,965	1,111,006	88,621	1,058,984	-4.7
Urea, all grades	3102.10	350,916	3,436,358	309,486	3,311,040	-3.6
Benzene	2902.20	78,544	849,468	76,036	842,692	-0.8
Toluene	2902.30	21,692	256,215	23,738	288,536	12.6
Xylene	2902.4	27,983	293,968	36,077	335,608	14.2
Zinc oxide	2817.00.1	x	x	x	x	x

Symbols

* Standard Classification of Goods (SCG) Code.

r revised.

x suppressed to meet the confidentiality requirements of the Statistics Act.

¹ Polyethylene, low, and linear low densities combines two Standard Classification of Goods (SCG) codes: 3901.10, and 3901.90.10.² Polyethylene, low, linear low and high densities combines three Standard Classification of Goods (SCG) codes: 3901.10, 3901.90.10 and 3901.20.³ Polystyrene and acrylonitrile-butadiene-styrene (abs) combines two Standard Classification of Goods (SCG) codes: 3903.10 and 3903.30.**Note**

Coverage of the commodities listed above approximates 100% of the known production. Small amounts of occasional secondary production may not be measured.
 Year to date (A-B-C-D): see « Degree of estimation » symbols in the explanatory notes for corresponding percentage.

Explanatory Notes

This survey measures the **production of specified commodities**. Data collected from this survey are important because they measure production of this industrial sector, providing an indication of the well being of this industry and its contribution to the Canadian economy. This survey is conducted under the secrecy provisions of the *Statistics Act*, which prohibit the publication of information, which can be related to any individual person, business or organization. The target population includes all major manufacturers. The survey frame is based mainly on the annual survey of manufactures (ASM). Since the ASM lags behind this commodity survey, there is a risk of undercoverage but this should be minimal because of advance information from the ASM frame and feedback from the monthly survey of manufacturing (MSM). The last break in these series occurred in 1988 with the introduction of the harmonized system (HS) coding system.

All survey data, from whatever source, are subject to error. The main sources of error are coverage error, response error, processing error and non-response error. Based on the 2000 ASM, production published in this survey account for 100% of the **total volume of these commodities produced**. On a monthly basis, late responses are imputed using a variety of methods, the most common being trend analysis.

Data presented in this publication were collected by a mail survey of all companies known to manufacture the products listed in Tables 1 & 2. The production figures for synthetic resins represent new virgin resins produced, and exclude compounding or coloring ingredients. For industrial chemicals, quantities include intermediate products made for use within the reporting establishment, in addition to those produced for sale.

Occasionally, revisions are made to the data after publication. All revisions are included in the year-to-date data published in subsequent issues. Normally revisions are restricted to the current and immediately preceding year, after this the data are considered final.

Data reported to the annual survey represent the 12 months corresponding to the fiscal year of the firms reporting. The annual publications report shipments while the monthly publication reports production. In recent years sampling methodology has been introduced to the annual survey and this may impact on the coverage of commodities.

For general information or to order data, contact the Dissemination Officer (1-866-873-8789; 613-951-9497; manufact@statcan.ca), Manufacturing, Construction and Energy Division.

Degree of estimation

For the twelve month period in 2002, the degree of estimation for non-response is indicated beside each product. The following symbols in the year-to date column for 2002 data indicate the degree of estimation due to non-response

Symbol	% Estimated
A	0.0%
B	Less than 1.0%
C	1.0% to 2.5%
D	2.6% to 5%

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List of Reporting Firms, December 2003

Name	Plant Location
A T Plastics Inc.	Brampton, Ont.
Agrium Inc.	Edmonton, Alta. Carseland, Alta. Joffre, Alta. Redwater, Alta. Fort Saskatchewan, Alta.
Albchem Industries Ltd	Bruderheim, Alta.
Alpha-Owens-Corning Canada Inc	Guelph, Ont.
ARC Resins Corporation	Longueuil, Qué.
Ashland Canada Corp.	Mississauga, Ont. Kelowna, B.C. - C.B.
Atofina Canada Inc.	Bécancour, Qué.
Bayer Inc.	Sarnia, Ont.
BC Chemicals Ltd.	Prince George, B.C. - C.-B.
Borden Chemical Canada Ltd. (Div. of The Borden Company Limited)	Laval, Qué. Edmonton, Alta. Vancouver, B.C. - C.-B.
Border Chemical Company Limited	Winnipeg, Man.
Cabot Canada Ltd.	Sarnia, Ont.
Cameco Corporation	Rabbit Lake, Sask. Key Lake, Sask.
Canadian Fertilizers Limited	Medicine Hat, Alta.
Cancarb Limited	Calgary, Alta.
Celanese Canada Inc.	Edmonton, Alta.
Columbian Chemicals Canada Ltd.	Hamilton, Ont.
Cominco Ltd.	Trail, B.C. - C.-B.
Compagnie Chimique Huntsman du Canada Inc.	Mansonville, Qué.
Degussa Canada	Gibbons, Alta.
Dofasco Inc.	Hamilton, Ont.
Dow Chemical Canada Inc.	Sarnia, Ont. Fort Saskatchewan, Alta.
Duke Energy Gas Transmission (Sulphur Products Div.)	Prentiss, Alta.
DuPont Canada Inc.	Prince George, B.C. - C.-B. Ajax, Ont. Corunna, Ont. Kingston, Ont. Maitland, Ont. Whitby, Ont.
Dynea Canada Ltd.	Ste-Thérèse, Qué. North Bay, Ont. Thunder Bay, Ont.
Eaglebrook Inc.	Ottawa, Ont.
EKA Chemicals Canada Inc. / EKA Chimie Canada Inc.	Magog, Qué. Valleyfield, Qué.
FMC of Canada Ltd.	Prince George, B.C. - C.-B.
Falconbridge Ltd. (Metalurgical Div.)	Timmins, Ont.
Falconbridge Ltd. (Sudbury Div.)	Falconbridge, Ont.
Fertichem Inc.	St-Michel, Qué
G.H. Chemicals Ltd. / Produits Chimiques D.H. Ltée.	Saint-Hyacinthe, Qué.
General Chemical Canada Ltd. (Water Chemical Div.)	Dalhousie, N.B. Valleyfield, Qué. Iroquois Falls, Ont. Thorold, Ont. Thunder Bay, Ont.
Hall Chem Mfg Inc.	Barnet, B.C. - C.-B.
Hudson Bay Mining and Smelting Co. Ltd. (Zochem Div.)	Montréal, Qué.
Imperial Oil Ltd. (Products and Chemicals Div.)	Brampton, Ont. Nanticoke, Ont. Sarnia, Ont.
Inco Ltd. (Ont. Div.)	Coppercliff, Ont.
Kemira Chemicals Canada	Maitland, Ont.
Korex Don Valley ULC	Toronto, Ont.

List of Reporting Firms, December 2003– Concluded

Name	Plant Location
Kronos Canada Inc.	Varenes, Qué.
Lake Erie Steel Company Ltd.	Nanticoke, Ont.
Lilly Industries Inc.	Cornwall, Ont.
Marsulex Inc.	Saskatoon, Sask.
	Calgary, Alta.
	Fort Saskatchewan, Alta.
Methanex Corporation	Kitimat, B.C. - C.-B.
Nexen Chemicals Canada Ltd. Partnership	Amherstburg, Ont.
	Beauharnois, Qué.
	Brandon, Man.
	Bruderheim, Alta.
	Nanaimo, B.C. - C.-B.
	North Vancouver, B.C. - C.-B.
Nitrochem Corp.	Maitland, Ont.
Noranda Inc. Brunswick Smelter	Belledune, N.B.
Noranda Inc. (Fonderie Horne)	Rouyn-Noranda, Qué.
Nova Chemicals Corporation	Montréal, Qué.
	Corunna, Ont.
	Sarnia, Ont.
	Moore Township, Ont.
	St. Clair River, Ont.
	Joffre, Alta.
Orica Canada	Brownsburg, Qué.
Oxy Vinyl Canada Inc.	Niagara Falls, Ont
	Scotford, Alta.
PCI Chimie Canada Inc.	Dalhousie, N.B.
	Bécancour, Qué.
	Cornwall, Ont.
PPG Canada Inc.	Beauharnois, Qué.
Petro-Canada	Montréal, Qué.
	Oakville, Ont.
Petromont Société en Commandite	Montréal, Qué.
	Varenes, Qué.
PFB Corporation	Calgary, Alta.
Reichhold Limited	Port Moody, B.C. - C.-B.
Royal Polymers Ltd.	Sarnia, Ont.
Ste-Anne Nackawic Pulp Co. Ltd. (Chemical Division)	Nackawic, N.B.
SaskFerco Products Inc.	Belle Plaine, Sask.
Shell Canada Limited	Montréal, Qué.
	Sarnia, Ont.
	Scotford, Alta.
Simplot Canada Limited	Brandon, Man.
	Tuxford, Sask.
Stelco Inc.	Hamilton, Ont.
	Nanticoke, Ont.
Sterling Pulp Chemicals Ltd.	Buckingham, Qué.
	Thunder Bay, Ont.
	Grand Prairie, Alta.
	Saskatoon, Sask.
	Vancouver, B.C. - C.-B.
Styrochem International Ltée	Baie d'Urfé, Qué.
Sulco Chemicals Ltd.	Elmira, Ont.
Suncor Énergie Products Inc.	Sarnia, Ont.
Terra International (Canada) Inc.	Courtright, Ont.
Uniboard Canada Inc.	Val D'or
Zinc Electrolytique Du Canada Ltée	Salaberry de Valleyfield, Qué.