



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	September	Year-to-date	September	Year-to-date	Year-to-date
		2001	2001	2002	2002	change 2002/2001
						%
metric tonnes						
Synthetic resins						
Polyethylene, low and linear low density ¹	3901.10, 3901.90.10	162,661 ^r	x	174,153	x	x
Polyethylene, high density	3901.20	111,038 ^r	x	105,438	x	x
Polyethylene, total²		273,699^r	2,274,769^r	279,591	2,537,503	11.5
Polystyrene and acrylonitrile-butadiene-styrene (abs) ³	3903.10, 3903.30	10,040	136,524	13,090	145,070	6.3
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	9,230	87,694	9,789	86,816	-1.0

See footnote(s) at end of Table 2.

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

Manufacturing, Construction and Energy Division

November 2002

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	September 2001	Year-to-date 2001	September 2002	Year-to-date 2002	Year-to-date change 2002/2001
metric tonnes						%
Acids						%
Hydrochloric (muriatic) acid, 100%	2806.10.20	11,617	106,016	12,458	112,701	6.3
Nitric acid, 100 %	2808.00.10	96,340	780,165	75,590	849,729	8.9
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	301,661	2,755,103	279,633	2,885,537	4.7
Other Industrial Chemical Products						
Aluminum sulphate (alum)	2833.22	14,637	128,616	14,928	136,655	6.3
Ammonia, anhydrous, 100%	2814.10	339,750	3,132,850	386,177	3,241,134	3.5
Ammonium nitrate, all grades	3102.30	101,736	883,108	75,279	851,639	-3.6
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	17,056	182,957	19,833	202,774	10.8
Butylene	2901.23	24,156	216,651	21,643	197,507	-8.8
Carbon black	2803	18,661	164,411	18,653	162,138	-1.4
Chlorine	2801.10	87,514	789,945	92,688	826,586	4.6
Ethylene	2901.21	289,322	3,142,755	376,753	3,502,943	11.5
Formaldehyde, 100% solids basis	2912.11	16,289	140,332	17,147	149,876	6.8
Hydrogen peroxide, 100%	2847.00	19,439	153,166	17,996	162,609	6.2
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	48,971	670,853	84,507	707,461	5.5
Sodium chlorate	2829.11	80,989	810,542	85,657	775,987	-4.3
Sodium hydroxide (caustic soda), as 100% NaOH	2815.10	88,731	806,266	95,818	841,380	4.4
Urea, all grades	3102.10	252,083	2,514,138	288,060	2,439,736	-3.0
Benzene	2902.20	48,753	561,786	71,739	614,410	9.4
Toluene	2902.30	12,024	173,397	26,657	197,990	14.2
Xylene	2902.40	10,062	202,509	30,331	222,888	10.1
Zinc oxide	2817.00.10	x	x	x	x	x

Symbols

* Standard Classification of Goods (SCG) Code.

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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.

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 1999 ASM, production published in this survey account for 99% 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. More detailed information is available in Cat. no. 31-203-XPB (Manufacturing Industries of Canada: National and Provincial Areas).

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.

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