



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	October 2003	Year-to-date 2003	October 2004	Year-to-date 2004	Year-to-date change 2004/2003
metric tonnes						%
Synthetic resins						
Polyethylene, low and linear low density ¹	3901.10, 3901.90.10	117,809	1,431,449	x	x	x
Polyethylene, high density	3901.20	124,925	1,192,725	124,569	1,314,048	10.2
Polyethylene, total²		242,734	2,624,174	289,252	2,966,587	13.0
Polystyrene and acrylonitrile-butadiene-styrene (abs) ³	3903.1, 3903.30	18,813 ^r	151,281 ^r	18,926	172,686	14.1
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	13,401	115,344 ^r	8,227	85,166	-26.2

See footnote(s) at end of Table 2.

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

Manufacturing, Construction and Energy Division

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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	October	Year-to-date	October	Year-to-date	Year-to-date
		2003	2003	2004	2004	change 2004/2003
		metric tonnes				%
Acids						
Hydrochloric (muriatic) acid, 100%	2806.10.20	11,857	125,218 ^r	12,199	127,143	1.5
Nitric acid, 100 %	2808.00.10	76,695	904,829	89,431	1,008,062	11.4
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	303,256	2,806,078 ^r	338,260	3,234,299 ^r	15.3
Other Industrial Chemical Products						
Aluminum sulphate (alum)	2833.22	14,422	140,654 ^r	13,941	138,955	-1.2
Ammonia, anhydrous, 100%	2814.10	332,227	3,654,744	456,062	4,201,502	15.0
Ammonium nitrate, all grades	3102.30	69,202	850,640	87,296	887,176 ^r	4.3
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	20,899	226,379 ^r	23,898	240,809 ^r	6.4
Butylene	2901.23	17,228	196,962 ^r	13,820	200,444	1.8
Carbon black	2803	18,568	169,825	21,410	185,207	9.1
Chlorine	2801.10	75,047	827,148 ^r	90,851	884,979 ^r	7.0
Ethylene	2901.21	407,292	3,895,858 ^r	447,885	4,217,438 ^r	8.3
Formaldehyde, 100% solids basis	2912.11	23,592	203,682 ^r	22,507	226,535 ^r	11.2
Hydrogen peroxide, 100%	2847.00	18,484	184,195	20,011	201,104 ^r	9.2
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	84,324	772,778 ^r	78,430	786,326 ^r	1.8
Sodium chlorate	2829.11	94,004	926,903	101,523	971,748	4.8
Sodium hydroxide (caustic soda), as 100% NaOH	2815.1	78,953	880,516 ^r	97,387	952,893 ^r	8.2
Urea, all grades	3102.10	296,787	2,676,349	345,123	3,032,558	13.3
Benzene	2902.20	78,424	688,287	85,401	753,452	9.5
Toluene	2902.30	24,915	236,727 ^r	18,607	x	x
Xylene	2902.4	40,453	270,653	37,157	296,682	9.6
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.

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.

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