



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	April 2003	Year-to-date 2003	April 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	147,362	618,828	170,461	651,938	5.4
Polyethylene, high density	3901.20	131,043	518,201	137,190	492,245	-5.0
Polyethylene, total²		278,405	1,137,029	307,651	1,144,183	0.6
Polystyrene and acrylonitrile-butadiene-styrene (abs) ³	3903.1, 3903.30	13,398	57,862	18,516	66,570	15.0
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	13,888	39,793 ^r	7,651	35,913	-9.8

See footnote(s) at end of Table 2.

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

Manufacturing, Construction and Energy Division

June 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	April	Year-to-date	April	Year-to-date	Year-to-date
		2003	2003	2004	2004	change 2004/2003
		metric tonnes				%
Acids						
Hydrochloric (muriatic) acid, 100%	2806.10.20	13,502	53,458 ^r	12,970	53,674	0.4
Nitric acid, 100 %	2808.00.10	99,793	392,803	103,882	387,006	-1.5
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	326,588	1,273,883	337,698	1,363,368	7.0
Other Industrial Chemical Products						
Aluminum sulphate (alum)	2833.22	14,957 ^r	51,202 ^r	13,806	50,962	-0.5
Ammonia, anhydrous, 100%	2814.10	396,538	1,547,966	420,422	1,691,050	9.2
Ammonium nitrate, all grades	3102.30	96,485	405,476	88,741	343,204	-15.4
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	23,281 ^r	92,983 ^r	26,600	102,282	10.0
Butylene	2901.23	20,515	76,397 ^r	20,231	76,342	-0.1
Carbon black	2803	15,926	66,278	18,968	70,441	6.3
Chlorine	2801.10	77,131 ^r	345,497 ^r	88,385	348,280	0.8
Ethylene	2901.21	408,144 ^r	1,622,222 ^r	420,970	1,685,743	3.9
Formaldehyde, 100% solids basis	2912.11	22,416	75,450	24,265	85,602	13.5
Hydrogen peroxide, 100%	2847.00	21,566	77,821	20,542	82,171	5.6
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	75,191 ^r	310,074 ^r	78,334	313,856	1.2
Sodium chlorate	2829.11	96,437	375,015	94,567	387,374	3.3
Sodium hydroxide (caustic soda), as 100% NaOH	2815.1	82,813 ^r	370,963 ^r	95,359	375,996	1.4
Urea, all grades	3102.10	315,513	1,190,336	299,140	1,253,413	5.3
Benzene	2902.20	51,203	268,973	84,447	309,883	15.2
Toluene	2902.30	13,758	99,049 ^r	15,213	90,340	-8.8
Xylene	2902.4	19,047	114,369	33,517	130,670	14.3
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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