



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 2002	Year-to-date 2002	April 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	159,391 ^r	x	147,362	618,828	x
Polyethylene, high density	3901.20	117,318 ^r	x	131,043	518,201	x
Polyethylene, total²		276,709^r	1,092,284^r	278,405	1,137,029	4.1
Polystyrene and acrylonitrile-butadiene-styrene (abs) ³	3903.10, 3903.30	14,691	62,889	13,398	57,862	-8.0
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	10,410	38,424	13,888	39,793	3.6

See footnote(s) at end of Table 2.

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

Manufacturing, Construction and Energy Division

June 2003

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
		2002	2002	2003	2003	change 2003/2002
		metric tonnes				%
Acids						
Hydrochloric (muriatic) acid, 100%	2806.10.20	12,131	51,296	13,502	53,458	4.2
Nitric acid, 100 %	2808.00.10	112,530	373,519	99,793	392,803	5.2
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	329,308	1,411,433	326,588	1,273,883	-9.7
Other Industrial Chemical Products						
Aluminum sulphate (alum)	2833.22	14,356	54,611	14,392	50,637	-7.3
Ammonia, anhydrous, 100%	2814.10	362,229	1,435,592	396,538	1,547,966	7.8
Ammonium nitrate, all grades	3102.30	96,605	361,429	96,485	405,476	12.2
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	23,882	92,347	23,256	92,958	0.7
Butylene	2901.23	17,932	81,034	20,515	76,397	-5.7
Carbon black	2803	16,043	69,945	15,926	66,278	-5.2
Chlorine	2801.10	89,769	360,590	86,408	354,774	-1.6
Ethylene	2901.21	383,140	1,543,298	409,519	1,623,597	5.2
Formaldehyde, 100% solids basis	2912.11	16,750	67,676	22,416	75,450	11.5
Hydrogen peroxide, 100%	2847.00	17,645	70,894	21,566	77,821	9.8
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	64,518	296,488	75,057	309,940	4.5
Sodium chlorate	2829.11	83,666	338,327	96,437	375,015	10.8
Sodium hydroxide (caustic soda), as 100% NaOH	2815.10	89,574	372,050	93,232	381,382	2.5
Urea, all grades	3102.10	284,561	1,086,269	315,513	1,190,336	9.6
Benzene	2902.20	59,036	270,240	51,203	268,973	-0.5
Toluene	2902.30	12,880	91,895	13,758	99,049	7.8
Xylene	2902.40	27,903	117,795	19,047	114,369	-2.9
Zinc oxide	2817.00.10	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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