



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	March 2002	Year-to-date 2002	March 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	x ^r	x	161,975	471,684	x
Polyethylene, high density	3901.20	x ^r	x	131,080	387,158	x
Polyethylene, total²		288,909^r	815,575^r	293,055	858,842	5.3
Polystyrene and acrylonitrile-butadiene-styrene (abs) ³	3903.10, 3903.30	17,043	48,198	15,482	44,464	-7.7
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	9,987	28,014	8,835	25,921	-7.5

See footnote(s) at end of Table 2.

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

Manufacturing, Construction and Energy Division

May 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	March 2002	Year-to-date 2002	March 2003	Year-to-date 2003	Year-to-date change 2003/2002
metric tonnes						%
Acids						
Hydrochloric (muriatic) acid, 100%	2806.10.20	13,069	39,165	14,263	39,869	1.8
Nitric acid, 100 %	2808.00.10	89,533	260,989	99,391	293,010	12.3
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	368,154	1,082,125	326,636	947,295	-12.5
Other Industrial Chemical Products						
Aluminum sulphate (alum)	2833.22	13,121	40,255	12,789	37,118	-7.8
Ammonia, anhydrous, 100%	2814.10	341,716	1,073,363	375,389	1,151,428	7.3
Ammonium nitrate, all grades	3102.30	91,577	264,824	104,534	308,991	16.7
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	22,813	68,465	23,879	69,822	2.0
Butylene	2901.23	19,739	63,102	19,360	55,884	-11.4
Carbon black	2803	19,871	53,902	17,646	50,352	-6.6
Chlorine	2801.10	94,550	270,821	91,465	270,784	0.0
Ethylene	2901.21	380,149	1,160,158	416,991	1,217,081	4.9
Formaldehyde, 100% solids basis	2912.11	19,066	50,926	19,725	53,034	4.1
Hydrogen peroxide, 100%	2847.00	16,802	53,249	18,154	56,255	5.6
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	79,417	231,970	79,965	235,236	1.4
Sodium chlorate	2829.11	90,913	254,661	97,101	278,578	9.4
Sodium hydroxide (caustic soda), as 100% NaOH	2815.10	99,852	282,476	99,474	277,834	-1.6
Urea, all grades	3102.10	237,905	801,708	324,873	874,823	9.1
Benzene	2902.20	70,006	211,204	66,500	217,770	3.1
Toluene	2902.30	21,219	79,015	28,365	85,342	8.0
Xylene	2902.40	30,006	89,892	27,764	95,322	6.0
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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