



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	November 2001	Year-to-date 2001	November 2002	Year-to-date 2002	Year-to-date change 2002/2001
metric tonnes						%
Synthetic resins						
Polyethylene, low and linear low density ¹	3901.10, 3901.90.10	137,214 ^r	x	177,286	x	x
Polyethylene, high density	3901.20	108,887 ^r	x	135,536	x	x
Polyethylene, total²		246,101^r	2,768,772^r	312,822	3,146,577	13.6
Polystyrene and acrylonitrile-butadiene-styrene (abs) ³	3903.10, 3903.30	16,520	169,308	16,853	180,011	6.3
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	9,197	107,423	9,068	106,173	-1.2

See footnote(s) at end of Table 2.

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

Manufacturing, Construction and Energy Division

January 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	November	Year-to-date	November	Year-to-date	Year-to-date
		2001	2001	2002	2002	change 2002/2001
		metric tonnes				%
Acids						
Hydrochloric (muriatic) acid, 100%	2806.10.20	13,116	131,141	12,985	138,365	5.5
Nitric acid, 100 %	2808.00.10	97,032	950,948	104,556	1,055,715	11.0
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	361,454	3,469,359	320,007	3,546,857	2.2
Other Industrial Chemical Products						
Aluminum sulphate (alum)	2833.22	13,323	156,572	11,279	162,213	3.6
Ammonia, anhydrous, 100%	2814.10	381,212	3,902,488	425,142	4,068,186	4.2
Ammonium nitrate, all grades	3102.30	104,345	1,065,601	106,933	1,059,231	-0.6
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	20,693	223,404	23,992	251,991	12.8
Butylene	2901.23	16,087	248,027	20,171	234,597	-5.4
Carbon black	2803	16,317	200,897	19,857	199,597	-0.6
Chlorine	2801.10	87,991	965,095	90,661	1,011,558	4.8
Ethylene	2901.21	386,867	3,873,342	409,447	4,330,579	11.8
Formaldehyde, 100% solids basis	2912.11	13,599	167,920	17,415	193,910	15.5
Hydrogen peroxide, 100%	2847.00	17,653	187,004	20,547	203,434	8.8
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	79,083	802,177	81,245	871,990	8.7
Sodium chlorate	2829.11	90,034	991,201	90,089	959,554	-3.2
Sodium hydroxide (caustic soda), as 100% NaOH	2815.10	89,313	983,699	90,637	1,026,829	4.4
Urea, all grades	3102.10	253,883	3,048,859	336,140	3,085,442	1.2
Benzene	2902.20	63,994	681,511	73,352	770,924	13.1
Toluene	2902.30	18,130	200,578	18,518	234,523	16.9
Xylene	2902.40	28,482	248,450	21,152	265,985	7.1
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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