



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	August 2001	Year-to-date 2001	August 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	141,568 ^r	x	155,461	x	x
Polyethylene, high density	3901.20	133,164 ^r	x	118,430	x	x
Polyethylene, total²		274,732^r	2,001,070^r	273,891	2,257,912	12.8
Polystyrene and acrylonitrile-butadiene-styrene (abs) ³	3903.10, 3903.30	18,560	126,484	16,067	132,036	4.4
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	8,884	78,464	8,215	77,027	-1.8

See footnote(s) at end of Table 2.

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

Manufacturing, Construction and Energy Division

October 2002

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	August 2001	Year-to-date 2001	August 2002	Year-to-date 2002	Year-to-date change 2002/2001
metric tonnes						%
Acids						%
Hydrochloric (muriatic) acid, 100%	2806.10.20	12,900	94,399	12,271	100,243	6.2
Nitric acid, 100 %	2808.00.10	99,105	683,825	105,150	774,139	13.2
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	267,494	2,453,442	258,379	2,605,904	6.2
Other Industrial Chemical Products						
Aluminum sulphate (alum)	2833.22	16,202	113,979	15,800	121,727	6.8
Ammonia, anhydrous, 100%	2814.10	318,083	2,793,100	405,147	2,854,957	2.2
Ammonium nitrate, all grades	3102.30	104,791	781,372	109,959	776,360	-0.6
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	20,859	165,901	22,645	183,163	10.4
Butylene	2901.23	30,842	192,495	25,997	175,864	-8.6
Carbon black	2803	16,701	145,750	18,832	143,485	-1.6
Chlorine	2801.10	95,351	702,431	93,323	729,706	3.9
Ethylene	2901.21	366,736	2,853,433	403,837	3,131,430	9.7
Formaldehyde, 100% solids basis	2912.11	14,961	124,043	17,283	132,729	7.0
Hydrogen peroxide, 100%	2847.00	19,043	133,727	20,374	144,613	8.1
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	78,865	621,882	84,111	622,924	0.2
Sodium chlorate	2829.11	90,139	729,553	92,338	690,330	-5.4
Sodium hydroxide (caustic soda), as 100% NaOH	2815.10	95,464	717,535	93,281	740,438	3.2
Urea, all grades	3102.10	236,024	2,262,055	293,670	2,151,676	-4.9
Benzene	2902.20	70,258	513,033	81,120	542,671	5.8
Toluene	2902.30	21,175	161,373	27,610	171,333	6.2
Xylene	2902.40	26,157	192,447	30,337	192,557	0.1
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 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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