



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	October 2002	Year-to-date 2002	October 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	167,738 ^r	x	117,809	1,431,449	x
Polyethylene, high density	3901.20	127,823 ^r	x	124,925	1,192,725	x
Polyethylene, total²		295,561^r	2,758,820^r	242,734	2,624,174	-4.9
Polystyrene and acrylonitrile-butadiene-styrene (abs) ³	3903.10, 3903.30	18,088	163,158	26,760	163,909	0.5
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	10,289	97,105	13,401	115,344	18.8

See footnote(s) at end of Table 2.

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

Manufacturing, Construction and Energy Division

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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	October 2002	Year-to-date 2002	October 2003	Year-to-date 2003	Year-to-date change 2003/2002
metric tonnes						%
Acids						
Hydrochloric (muriatic) acid, 100%	2806.10.20	12,679	125,380	11,857	125,218	-0.1
Nitric acid, 100 %	2808.00.10	101,430	951,159	76,695	904,829	-4.9
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	341,313	3,226,850	303,256	2,806,078	-13.0
Other Industrial Chemical Products						
Aluminum sulphate (alum)	2833.22	14,636	151,291	14,422	140,654	-7.0
Ammonia, anhydrous, 100%	2814.10	401,910	3,643,044	332,227	3,654,744	0.3
Ammonium nitrate, all grades	3102.30	100,659	952,298	69,202	850,640	-10.7
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	25,418	228,192	20,899	226,379	-0.8
Butylene	2901.23	16,919	214,426	17,228	196,962	-8.1
Carbon black	2803	17,602	179,740	18,568	169,825	-5.5
Chlorine	2801.10	90,735	917,321	75,047	827,148	-9.8
Ethylene	2901.21	422,644	3,925,587	407,292	3,895,858	-0.8
Formaldehyde, 100% solids basis	2912.11	18,494	176,495	23,592	203,682	15.4
Hydrogen peroxide, 100%	2847.00	20,278	182,887	18,484	184,195	0.7
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	83,331	790,792	84,324	772,778	-2.3
Sodium chlorate	2829.11	93,478	869,465	94,004	926,903	6.6
Sodium hydroxide (caustic soda), as 100% NaOH	2815.10	91,418	932,798	78,953	880,516	-5.6
Urea, all grades	3102.10	309,566	2,749,302	296,787	2,676,349	-2.7
Benzene	2902.20	83,162	697,572	78,424	688,287	-1.3
Toluene	2902.30	18,015	216,005	24,915	236,727	9.6
Xylene	2902.40	21,945	244,833	40,453	270,653	10.5
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 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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