



# 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 2001	Year-to-date 2001	October 2002	Year-to-date 2002	Year-to-date change 2002/2001
metric tonnes						%
<b>Synthetic resins</b>						
Polyethylene, low and linear low density <sup>1</sup>	3901.10, 3901.90.10	140,784 <sup>r</sup>	x	165,141	x	x
Polyethylene, high density	3901.20	107,118 <sup>r</sup>	x	131,111	x	x
<b>Polyethylene, total<sup>2</sup></b>		<b>247,902<sup>r</sup></b>	<b>2,522,671<sup>r</sup></b>	<b>296,252</b>	<b>2,833,755</b>	<b>12.3</b>
Polystyrene and acrylonitrile-butadiene-styrene (abs) <sup>3</sup>	3903.10, 3903.30	16,264	152,788	18,088	163,158	6.8
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	10,532	98,226	10,289	97,105	-1.1

See footnote(s) at end of Table 2.

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

Manufacturing, Construction and Energy Division

December 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	October	Year-to-date	October	Year-to-date	Year-to-date
		2001	2001	2002	2002	change 2002/2001
		metric tonnes				%
<b>Acids</b>						
Hydrochloric (muriatic) acid, 100%	2806.10.20	12,009	118,025	12,679	125,380	6.2
Nitric acid, 100 %	2808.00.10	73,751	853,916	101,430	951,159	11.4
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	352,802	3,107,905	341,313	3,226,850	3.8
<b>Other Industrial Chemical Products</b>						
Aluminum sulphate (alum)	2833.22	14,633	143,249	14,279	150,934	5.4
Ammonia, anhydrous, 100%	2814.10	388,426	3,521,276	401,910	3,643,044	3.5
Ammonium nitrate, all grades	3102.30	78,148	961,256	100,659	952,298	-0.9
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	19,754	202,711	25,225	227,999	12.5
Butylene	2901.23	15,289	231,940	16,919	214,426	-7.6
Carbon black	2803	20,169	184,580	17,602	179,740	-2.6
Chlorine	2801.10	87,159	877,104	94,311	920,897	5.0
Ethylene	2901.21	343,720	3,486,475	418,189	3,921,132	12.5
Formaldehyde, 100% solids basis	2912.11	13,989	154,321	18,494	176,495	14.4
Hydrogen peroxide, 100%	2847.00	16,185	169,351	20,278	182,887	8.0
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	52,241	723,094	83,284	790,745	9.4
Sodium chlorate	2829.11	90,625	901,167	93,478	869,465	-3.5
Sodium hydroxide (caustic soda), as 100% NaOH	2815.10	88,120	894,386	94,812	936,192	4.7
Urea, all grades	3102.10	280,838	2,794,976	309,566	2,749,302	-1.6
Benzene	2902.20	55,731	617,517	83,162	697,572	13.0
Toluene	2902.30	9,051	182,448	18,015	216,005	18.4
Xylene	2902.40	17,459	219,968	21,945	244,833	11.3
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.

<sup>1</sup> Polyethylene, low, and linear low densities combines two Standard Classification of Goods (SCG) codes: 3901.10, and 3901.90.10.<sup>2</sup> Polyethylene, low, linear low and high densities combines three Standard Classification of Goods (SCG) codes: 3901.10, 3901.90.10 and 3901.20.<sup>3</sup> Polystyrene and acrylonitrile-butadiene-stryrene (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](mailto:manufact@statcan.ca)), Manufacturing, Construction and Energy Division.

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