



# 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	January	Year-to-date	January	Year-to-date	Year-to-date
		2002	2002	2003	2003	change 2003/2002
metric tonnes						%
<b>Synthetic resins</b>						
Polyethylene, low and linear low density <sup>1</sup>	3901.10, 3901.90.10	x <sup>r</sup>	x	162,711	162,711	x
Polyethylene, high density	3901.20	x <sup>r</sup>	x	129,589	129,589	x
<b>Polyethylene, total<sup>2</sup></b>		<b>259,841<sup>r</sup></b>	<b>259,841<sup>r</sup></b>	<b>292,300</b>	<b>292,300</b>	<b>12.5</b>
Polystyrene and acrylonitrile-butadiene-styrene (abs) <sup>3</sup>	3903.10, 3903.30	16,893	16,893	14,785	14,785	-12.5
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	8,041	8,041	8,077	8,077	0.4

See footnote(s) at end of Table 2.

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

Manufacturing, Construction and Energy Division

March 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	January	Year-to-date	January	Year-to-date	Year-to-date
		2002	2002	2003	2003	change 2003/2002
		metric tonnes				%
<b>Acids</b>						
Hydrochloric (muriatic) acid, 100%	2806.10.20	13,286	13,286	13,131	13,131	-1.2
Nitric acid, 100 %	2808.00.10	90,784	90,784	97,015	97,015	6.9
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	378,728	378,728	326,414	326,414	-13.8
<b>Other Industrial Chemical Products</b>						
Aluminum sulphate (alum)	2833.22	13,716	13,716	13,592	13,592	-0.9
Ammonia, anhydrous, 100%	2814.10	394,744	394,744	407,528	407,528	3.2
Ammonium nitrate, all grades	3102.30	94,505	94,505	100,111	100,111	5.9
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	22,714	22,714	22,646	22,646	-0.3
Butylene	2901.23	23,316	23,316	18,123	18,123	-22.3
Carbon black	2803	17,420	17,420	16,832	16,832	-3.4
Chlorine	2801.10	89,842	89,842	93,525	93,525	4.1
Ethylene	2901.21	398,634	398,634	406,191	406,191	1.9
Formaldehyde, 100% solids basis	2912.11	16,016	16,016	15,947	15,947	-0.4
Hydrogen peroxide, 100%	2847.00	18,174	18,174	20,216	20,216	11.2
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	79,394	79,394	83,710	83,710	5.4
Sodium chlorate	2829.11	88,089	88,089	97,039	97,039	10.2
Sodium hydroxide (caustic soda), as 100% NaOH	2815.10	93,473	93,473	91,738	91,738	-1.9
Urea, all grades	3102.10	298,468	298,468	306,767	306,767	2.8
Benzene	2902.20	74,530	74,530	73,097	73,097	-1.9
Toluene	2902.30	26,758	26,758	25,772	25,772	-3.7
Xylene	2902.40	25,198	25,198	37,956	37,956	50.6
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.

<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-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](mailto:manufact@statcan.ca)), Manufacturing, Construction and Energy Division.

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