



# 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	September 2002	Year-to-date 2002	September 2003	Year-to-date 2003	Year-to-date change 2003/2002
metric tonnes						%
<b>Synthetic resins</b>						
Polyethylene, low and linear low density <sup>1</sup>	3901.10, 3901.90.10	163,059 <sup>r</sup>	x	103,851	1,313,640	x
Polyethylene, high density	3901.20	120,724 <sup>r</sup>	x	126,373	1,067,800	x
<b>Polyethylene, total<sup>2</sup></b>		<b>283,783<sup>r</sup></b>	<b>2,463,259<sup>r</sup></b>	<b>230,224</b>	<b>2,381,440</b>	<b>-3.3</b>
Polystyrene and acrylonitrile-butadiene-styrene (abs) <sup>3</sup>	3903.10, 3903.30	13,090	145,070	15,791	137,149	-5.5
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	9,789	86,816	12,976	101,943	17.4

See footnote(s) at end of Table 2.

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

Manufacturing, Construction and Energy Division

November 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 change	SCG*	September	Year-to-date	September	Year-to-date	Year-to-date
	Code	2002	2002	2003	2003	2003/2002
metric tonnes						%
<b>Acids</b>						
Hydrochloric (muriatic) acid, 100%	2806.10.20	12,458	112,701	11,463	113,361	0.6
Nitric acid, 100 %	2808.00.10	75,590	849,729	98,172	828,134	-2.5
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	279,633	2,885,537	308,446	2,502,822	-13.3
<b>Other Industrial Chemical Products</b>						
Aluminum sulphate (alum)	2833.22	14,928	136,655	14,453	126,232	-7.6
Ammonia, anhydrous, 100%	2814.10	386,177	3,241,134	357,943	3,322,517	2.5
Ammonium nitrate, all grades	3102.30	75,279	851,639	87,021	781,438	-8.2
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	19,833	202,774	23,724	205,480	1.3
Butylene	2901.23	21,643	197,507	21,881	179,734	-9.0
Carbon black	2803	18,653	162,138	17,859	151,257	-6.7
Chlorine	2801.10	92,688	826,586	79,552	752,101	-9.0
Ethylene	2901.21	376,753	3,502,943	374,562	3,488,566	-0.4
Formaldehyde, 100% solids basis	2912.11	17,147	158,001	21,866	180,090	14.0
Hydrogen peroxide, 100%	2847.00	17,996	162,609	19,056	165,711	1.9
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	84,507	707,461	83,728	688,454	-2.7
Sodium chlorate	2829.11	85,657	775,987	91,578	832,899	7.3
Sodium hydroxide (caustic soda), as 100% NaOH	2815.10	95,818	841,380	84,590	801,563	-4.7
Urea, all grades	3102.10	288,060	2,439,736	268,927	2,379,562	-2.5
Benzene	2902.20	71,739	614,410	71,205	609,863	-0.7
Toluene	2902.30	26,657	197,990	28,190	211,812	7.0
Xylene	2902.40	30,331	222,888	32,498	230,200	3.3
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-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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