



# 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	July 2002	Year-to-date 2002	July 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	154,732 <sup>r</sup>	x	159,173	1,059,840	x
Polyethylene, high density	3901.20	104,272 <sup>r</sup>	x	117,180	830,809	x
<b>Polyethylene, total<sup>2</sup></b>		<b>259,004<sup>r</sup></b>	<b>1,907,805<sup>r</sup></b>	<b>276,353</b>	<b>1,890,649</b>	<b>-0.9</b>
Polystyrene and acrylonitrile-butadiene-styrene (abs) <sup>3</sup>	3903.10, 3903.30	19,729	115,969	15,726	106,694	-8.0
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	9,280	68,812	13,018	81,156	17.9

See footnote(s) at end of Table 2.

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

Manufacturing, Construction and Energy Division

September 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	July 2002	Year-to-date 2002	July 2003	Year-to-date 2003	Year-to-date change 2003/2002
		metric tonnes				%
<b>Acids</b>						
Hydrochloric (muriatic) acid, 100%	2806.10.20	13,495	87,972	12,616	89,556	1.8
Nitric acid, 100 %	2808.00.10	99,403	668,989	79,556	641,969	-4.0
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	279,436	2,347,525	205,936	1,946,044	-17.1
<b>Other Industrial Chemical Products</b>						
Aluminum sulphate (alum)	2833.22	16,909	105,927	14,637	97,475	-8.0
Ammonia, anhydrous, 100%	2814.10	361,877	2,449,810	312,382	2,607,520	6.4
Ammonium nitrate, all grades	3102.30	101,994	666,401	63,349	620,675	-6.9
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	22,085	160,407	23,682	161,093	0.4
Butylene	2901.23	29,581	149,867	19,315	138,569	-7.5
Carbon black	2803	15,916	124,653	17,427	118,406	-5.0
Chlorine	2801.10	96,901	638,479	80,730	584,661	-8.4
Ethylene	2901.21	371,524	2,724,973	402,632	2,729,837	0.2
Formaldehyde, 100% solids basis	2912.11	18,488	123,571	15,449	132,662	7.4
Hydrogen peroxide, 100%	2847.00	21,717	124,239	11,036	126,408	1.7
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	81,251	538,828	66,357	532,001	-1.3
Sodium chlorate	2829.11	90,574	597,992	92,814	652,244	9.1
Sodium hydroxide (caustic soda), as 100% NaOH	2815.10	97,927	649,719	84,011	625,313	-3.8
Urea, all grades	3102.10	275,818	1,858,006	183,030	1,896,531	2.1
Benzene	2902.20	77,460	461,551	65,188	472,568	2.4
Toluene	2902.30	23,564	143,723	20,501	165,464	15.1
Xylene	2902.40	23,555	162,220	23,677	171,600	5.8
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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