



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	August 2003	Year-to-date 2003	August 2004	Year-to-date 2004	Year-to-date change 2004/2003
metric tonnes						%
Synthetic resins						
Polyethylene, low and linear low density ¹	3901.10, 3901.90.10	149,949	1,209,789	157,292	1,321,222	9.2
Polyethylene, high density	3901.20	110,618	941,427	157,365	1,058,380	12.4
Polyethylene, total²		260,567	2,151,216	314,657	2,379,602	10.6
Polystyrene and acrylonitrile-butadiene-styrene (abs) ³	3903.1, 3903.30	12,547 ^r	119,241 ^r	16,112	136,476	14.5
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	7,801	88,967 ^r	7,426	68,940	-22.5

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	August 2003	Year-to-date 2003	August 2004	Year-to-date 2004	Year-to-date change 2004/2003
metric tonnes						%
Acids						
Hydrochloric (muriatic) acid, 100%	2806.10.20	12,538	101,898 ^r	10,696	104,483	2.5
Nitric acid, 100 %	2808.00.10	87,993	729,962	112,419	824,169	12.9
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	248,332	2,194,376 ^r	289,562	2,595,178	18.3
Other Industrial Chemical Products						
Aluminum sulphate (alum)	2833.22	14,363	111,779 ^r	14,077	108,930	-2.5
Ammonia, anhydrous, 100%	2814.10	357,054	2,964,574	412,054	3,311,732	11.7
Ammonium nitrate, all grades	3102.30	73,742	694,417	101,748	719,900 ^r	3.7
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	20,763	181,756 ^r	22,682	189,892 ^r	4.5
Butylene	2901.23	19,286	157,853 ^r	23,527	166,479	5.5
Carbon black	2803	14,992	133,398	19,410	144,033	8.0
Chlorine	2801.10	86,209 ^r	672,549 ^r	85,741	689,357 ^r	2.5
Ethylene	2901.21	385,924 ^r	3,114,004 ^r	385,339	3,215,697 ^r	3.3
Formaldehyde, 100% solids basis	2912.11	20,463	158,224 ^r	24,315	179,359 ^r	13.4
Hydrogen peroxide, 100%	2847.00	20,247	146,655	19,317	159,001	8.4
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	72,701 ^r	604,726 ^r	81,255	627,780 ^r	3.8
Sodium chlorate	2829.11	89,077	741,321	103,310	771,698	4.1
Sodium hydroxide (caustic soda), as 100% NaOH	2815.1	91,082 ^r	716,973 ^r	93,272	746,467 ^r	4.1
Urea, all grades	3102.10	214,104	2,110,635	307,758	2,353,750	11.5
Benzene	2902.20	66,090	538,658	79,203	610,835	13.4
Toluene	2902.30	18,173	183,622 ^r	18,526	x	x
Xylene	2902.4	26,102	197,702	36,084	237,101	19.9
Zinc oxide	2817.00.1	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.

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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