



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	May 2003	Year-to-date 2003	May 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	156,900	775,728	183,704	835,642	7.7
Polyethylene, high density	3901.20	119,761	637,962	137,534	629,779	-1.3
Polyethylene, total²		276,661	1,413,690	321,238	1,465,421	3.7
Polystyrene and acrylonitrile-butadiene-styrene (abs) ³	3903.1, 3903.30	18,494	76,356	18,170	84,740	11.0
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	14,083	53,876r	8,572	44,485	-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

July 2004

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	May	Year-to-date	May	Year-to-date	Year-to-date
		2003	2003	2004	2004	change 2004/2003
		metric tonnes				%
Acids						
Hydrochloric (muriatic) acid, 100%	2806.10.20	12,022	65,480 ^r	12,708	66,382	1.4
Nitric acid, 100 %	2808.00.10	94,335	487,138	121,253	508,259	4.3
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	272,911 ^r	1,546,794 ^r	345,131	1,708,499	10.5
Other Industrial Chemical Products						
Aluminum sulphate (alum)	2833.22	16,963	68,165 ^r	13,001	63,963	-6.2
Ammonia, anhydrous, 100%	2814.10	413,450	1,961,416	453,943	2,144,993	9.4
Ammonium nitrate, all grades	3102.30	87,734	493,210	108,230	451,434	-8.5
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	22,607 ^r	115,590 ^r	26,188	128,470	11.1
Butylene	2901.23	25,752	102,149 ^r	20,820	97,162	-4.9
Carbon black	2803	18,441	84,719	18,469	88,910	4.9
Chlorine	2801.10	81,537 ^r	427,034 ^r	90,480	438,760	2.7
Ethylene	2901.21	394,775 ^r	2,016,997 ^r	470,136	2,155,879	6.9
Formaldehyde, 100% solids basis	2912.11	21,730	97,180	17,988	103,590	6.6
Hydrogen peroxide, 100%	2847.00	19,822	97,643	17,932	100,103	2.5
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	85,738 ^r	395,812 ^r	77,793	391,649	-1.1
Sodium chlorate	2829.11	93,008	468,023	93,143	480,517	2.7
Sodium hydroxide (caustic soda), as 100% NaOH	2815.1	88,111 ^r	459,074 ^r	98,928	474,924	3.5
Urea, all grades	3102.10	309,137	1,499,473	304,545	1,557,958	3.9
Benzene	2902.20	70,338	339,311	76,689	386,572	13.9
Toluene	2902.30	22,176	121,225 ^r	x	x	x
Xylene	2902.4	14,886	129,255	16,020	146,690	13.5
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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