



# Industrial Chemicals and Synthetic Resins

July 2004



Vol. 47, no. 7

## All prices exclude sales tax

Catalogue no. 46-002-XIE, is available on internet monthly for \$6.00 cdn per issue or \$51.00 cdn for a one year subscription.

A Print-on-Demand service is also available for \$40.00 cdn per issue or \$195.00 cdn for a one year subscription.

Frequency: Monthly / ISSN 1481-5354

To order Statistics Canada publications, please call our national toll-free line: 1 800 267-6677 or internet: infostats@statcan.ca

Table 1

### Production of New Virgin Resin (Excluding Compounding or Colouring Ingredients), by Products, Canada

Product	SCG* Code	July 2003	Year-to-date 2003	July 2004	Year-to-date 2004	Year-to-date change 2004/2003
metric tonnes						%
<b>Synthetic resins</b>						
Polyethylene, low and linear low density <sup>1</sup>	3901.10, 3901.90.10	159,173	1,059,840	172,013	1,163,930	9.8
Polyethylene, high density	3901.20	117,180	830,809	148,443	901,015	8.5
<b>Polyethylene, total<sup>2</sup></b>		<b>276,353</b>	<b>1,890,649</b>	<b>320,456</b>	<b>2,064,945</b>	<b>9.2</b>
Polystyrene and acrylonitrile-butadiene-styrene (abs) <sup>3</sup>	3903.1, 3903.30	15,726	106,694	18,421	120,364	12.8
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	13,028 <sup>r</sup>	81,166 <sup>r</sup>	7,886	61,514	-24.2

See footnote(s) at end of Table 2.

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

Manufacturing, Construction and Energy Division

September 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.

Published by authority of the Minister responsible for Statistics Canada. © Minister of Industry, 2004. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without prior written permission from Licence Services, Marketing Division, Statistics Canada, Ottawa, Ontario, Canada, K1A 0T6.



**Table 2**  
**Production of Industrial Chemicals, by product, Canada**

Product	SCG* Code	July	Year-to-date	July	Year-to-date	Year-to-date
		2003	2003	2004	2004	change 2004/2003
		metric tonnes				%
<b>Acids</b>						
Hydrochloric (muriatic) acid, 100%	2806.10.20	12,420 <sup>r</sup>	89,360 <sup>r</sup>	13,444	93,787	5.0
Nitric acid, 100 %	2808.00.10	79,556	641,969	94,407	711,750	10.9
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	205,936	1,946,044 <sup>r</sup>	288,692	2,305,616	18.5
<b>Other Industrial Chemical Products</b>						
Aluminum sulphate (alum)	2833.22	14,578 <sup>r</sup>	97,416 <sup>r</sup>	15,412	94,853	-2.6
Ammonia, anhydrous, 100%	2814.10	312,382	2,607,520	394,668	2,899,678	11.2
Ammonium nitrate, all grades	3102.30	63,349	620,675	76,811	618,152 <sup>r</sup>	-0.4
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	23,582 <sup>r</sup>	160,993 <sup>r</sup>	20,780	167,210 <sup>r</sup>	3.9
Butylene	2901.23	19,313 <sup>r</sup>	138,567 <sup>r</sup>	23,569	142,952	3.2
Carbon black	2803	17,427	118,406	16,808	124,623	5.3
Chlorine	2801.10	82,409 <sup>r</sup>	586,340 <sup>r</sup>	87,225	603,616 <sup>r</sup>	2.9
Ethylene	2901.21	400,875 <sup>r</sup>	2,728,080 <sup>r</sup>	380,343	2,830,358 <sup>r</sup>	3.7
Formaldehyde, 100% solids basis	2912.11	20,548 <sup>r</sup>	137,761 <sup>r</sup>	23,035	155,044 <sup>r</sup>	12.5
Hydrogen peroxide, 100%	2847.00	11,036	126,408	20,194	139,684	10.5
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	66,381 <sup>r</sup>	532,025 <sup>r</sup>	80,106	546,525 <sup>r</sup>	2.7
Sodium chlorate	2829.11	92,814	652,244	93,552	668,388	2.5
Sodium hydroxide (caustic soda), as 100% NaOH	2815.1	84,589 <sup>r</sup>	625,891 <sup>r</sup>	93,619	653,195 <sup>r</sup>	4.4
Urea, all grades	3102.10	183,030	1,896,531	215,902	2,045,992	7.9
Benzene	2902.20	65,188	472,568	75,264	531,632	12.5
Toluene	2902.30	20,486 <sup>r</sup>	165,449 <sup>r</sup>	21,533	x	x
Xylene	2902.4	23,677	171,600	33,591	201,017	17.1
Zinc oxide	2817.00.1	x	x	x	x	x

**Symbols**

\* Standard Classification of Goods (SCG) Code.

<sup>r</sup> 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.

---

### Standards of Service to the Public

Statistics Canada is committed to serving its clients in a prompt, reliable and courteous manner and in the official language of their choice. To this end, the agency has developed standards of service which its employees observe in serving its clients. To obtain a copy of these service standards, please contact your nearest Statistics Canada Regional Reference Centre.