



# Industrial Chemicals and Synthetic Resins

November 2003



Vol. 46, no. 11

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	November 2002	Year-to-date 2002	November 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	177,286 <sup>r</sup>	x	132,431	1,563,880	x
Polyethylene, high density	3901.20	135,536 <sup>r</sup>	x	120,324	1,313,049	x
<b>Polyethylene, total<sup>2</sup></b>		<b>312,822<sup>r</sup></b>	<b>3,071,642<sup>r</sup></b>	<b>252,755</b>	<b>2,876,929</b>	<b>-6.3</b>
Polystyrene and acrylonitrile-butadiene-styrene (abs) <sup>3</sup>	3903.1, 3903.30	16,853	180,011	16,649	167,930	-6.7
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	9,068	106,173	13,569	128,913	21.4

See footnote(s) at end of Table 2.

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

Manufacturing, Construction and Energy Division

January 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	November	Year-to-date	November	Year-to-date	Year-to-date
		2002	2002	2003	2003	change 2003/2002
metric tonnes						%
<b>Acids</b>						
Hydrochloric (muriatic) acid, 100%	2806.10.20	12,985	138,365	13,975	139,193	0.6
Nitric acid, 100 %	2808.00.10	104,556	1,055,715	106,072	1,010,901	-4.2
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	320,007	3,546,857	304,914	3,110,992	-12.3
<b>Other Industrial Chemical Products</b>						
Aluminum sulphate (alum)	2833.22	11,279	162,570	12,235	152,889	-6.0
Ammonia, anhydrous, 100%	2814.10	425,142	4,068,186	383,950	4,038,694	-0.7
Ammonium nitrate, all grades	3102.30	106,933	1,059,231	97,974	948,614	-10.4
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	24,185	252,377	24,106	250,485	-0.7
Butylene	2901.23	20,171	234,597	18,814	215,776	-8.0
Carbon black	2803	19,857	199,597	17,925	187,750	-5.9
Chlorine	2801.10	87,085	1,004,406	83,732	910,880	-9.3
Ethylene	2901.21	413,902	4,339,489	402,712	4,298,570	-0.9
Formaldehyde, 100% solids basis	2912.11	17,415	193,910	21,329	225,011	16.0
Hydrogen peroxide, 100%	2847.00	20,547	203,434	21,428	205,623	1.1
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	81,292	872,084	81,231	854,009	-2.1
Sodium chlorate	2829.11	90,089	959,554	99,705	1,026,608	7.0
Sodium hydroxide (caustic soda), as 100% NaOH	2815.1	87,243	1,020,041	89,847	970,363	-4.9
Urea, all grades	3102.10	336,140	3,085,442	325,205	3,001,554	-2.7
Benzene	2902.20	73,352	770,924	78,369	766,656	-0.6
Toluene	2902.30	18,518	234,523	28,071	264,798	12.9
Xylene	2902.4	21,152	265,985	28,878	299,531	12.6
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.

<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.