



Industrial Chemicals and Synthetic Resins

December 2004



Vol. 47, no. 12

All prices exclude sales tax

This product, catalogue no. 46-002-XIE, is published monthly in electronic format at a price of CAN\$6.00 per issue and CAN\$51.00 for a one-year subscription. To obtain a single issue or to subscribe visit our website at www.statcan.ca and select Our Products and Services.

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	December	Year-to-date	December	Year-to-date	Year-to-date
		2003	2003	2004	2004	change 2004/2003
		metric tonnes				%
Synthetic resins						
Polyethylene, low and linear low density ¹	3901.10, 3901.90.10	129,653	1,693,533	x	x	x
Polyethylene, high density	3901.20	76,790	1,389,839	130,320	1,576,339	13.4
Polyethylene, total²		206,443	3,083,372	309,905	3,586,575	16.3
Polystyrene and acrylonitrile-butadiene-styrene (abs) ³	3903.1, 3903.30	15,188	183,118 ^r	16,392	207,028	13.1
Polyvinyl chloride	3904.10	x	x	x	x	x
Polyesters, unsaturated	3907.91	10,429	139,342 ^r	6,609	99,981	-28.2

See footnote(s) at end of Table 2.

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

Manufacturing, Construction and Energy Division

February 2005

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, 2005. 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	December	Year-to-date	December	Year-to-date	Year-to-date
		2003	2003	2004	2004	change 2004/2003
		metric tonnes				%
Acids						
Hydrochloric (muriatic) acid, 100%	2806.10.20	13,401	152,594 ^r	9,922	148,783	-2.5
Nitric acid, 100 %	2808.00.10	93,789	1,104,690	98,322	1,218,720	10.3
Phosphoric acid, wet process	2809.20	x	x	x	x	x
Sulphuric acid, all grades, including oleum, as 100%	2807	353,962	3,464,954 ^r	348,049	3,932,585 ^r	13.5
Other Industrial Chemical Products						
Aluminum sulphate (alum)	2833.22	17,690	170,579 ^r	15,222	167,400	-1.9
Ammonia, anhydrous, 100%	2814.10	416,018	4,454,712	410,010	4,995,907	12.1
Ammonium nitrate, all grades	3102.30	81,897	1,030,511	94,773	1,095,960 ^r	6.4
Ammonium phosphate, all grades	3105.30	x	x	x	x	x
Butadiene	2901.24.10	25,448	275,933 ^r	24,941	289,012 ^r	4.7
Butylene	2901.23	22,454	238,230 ^r	20,033	240,294	0.9
Carbon black	2803	17,327	205,077	19,176	223,403	8.9
Chlorine	2801.10	83,103	993,983 ^r	83,584	1,056,807 ^r	6.3
Ethylene	2901.21	430,327	4,728,897 ^r	443,776	5,095,422 ^r	7.8
Formaldehyde, 100% solids basis	2912.11	19,513	244,524 ^r	19,933	268,504 ^r	9.8
Hydrogen peroxide, 100%	2847.00	20,831	226,454	21,854	243,926 ^r	7.7
Methyl alcohol (methanol)	2905.11	x	x	x	x	x
Propylene, as propylene in all grades	2901.22	83,781	937,790 ^r	76,573	939,172 ^r	0.1
Sodium chlorate	2829.11	102,473	1,129,081	107,329	1,183,198	4.8
Sodium hydroxide (caustic soda), as 100% NaOH	2815.1	88,621	1,058,984 ^r	94,020	1,146,074 ^r	8.2
Urea, all grades	3102.10	309,486	3,311,040	306,411	3,654,473	10.4
Benzene	2902.20	76,036	842,692	85,521	914,988	8.6
Toluene	2902.30	23,738	288,536 ^r	15,831	x	x
Xylene	2902.4	36,077	335,608	25,542	350,928	4.6
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.

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.

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.