



# 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*<br>Code        | June<br>2004   | Year-to-date<br>2004 | June<br>2005   | Year-to-date<br>2005 | Year-to-date<br>change<br>2005/2004 |
|--|---------------------|----------------|----------------------|----------------|----------------------|-------------------------------------|
|  |                     |                |                      |                |                      |                                     |
| <b>Synthetic resins</b>  |                     |                |                      |                |                      |                                     |
| Polyethylene, low and linear low density <sup>1</sup>              | 3901.10, 3901.90.10 | 156,275        | 991,917              | 119,931        | 947,012              | -4.5                                |
| Polyethylene, high density   | 3901.20             | 122,793        | 752,572              | 121,438        | 711,437              | -5.5                                |
| <b>Polyethylene, total<sup>2</sup></b>                             |                     | <b>279,068</b> | <b>1,744,489</b>     | <b>241,369</b> | <b>1,658,449</b>     | <b>-4.9</b>                         |
| Polystyrene and acrylonitrile-butadiene-styrene (abs) <sup>3</sup> | 3903.1, 3903.30     | 17,203         | 101,943              | 13,633         | 101,432              | -0.5                                |
| Polyvinyl chloride   | 3904.10             | x              | x                    | x              | x                    | x                                   |
| Polyesters, unsaturated  | 3907.91             | 9,143          | 53,628               | 8,195          | 46,642               | -13.0                               |

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*<br>Code | June<br>2004 | Year-to-date<br>2004   | June<br>2005 | Year-to-date<br>2005 | Year-to-date<br>change<br>2005/2004 |
|--|--------------|--------------|------------------------|--------------|----------------------|-------------------------------------|
| metric tonnes  |              |              |                        |              |                      | %                                   |
| <b>Acids</b>   |              |              |                        |              |                      |                                     |
| Hydrochloric (muriatic) acid, 100%                   | 2806.10.20   | 13,961       | 80,343                 | 10,963       | 67,091               | -16.5                               |
| Nitric acid, 100 %                                   | 2808.00.10   | 109,084      | 617,343                | 91,185       | 612,997              | -0.7                                |
| Phosphoric acid, wet process                         | 2809.20      | x            | x                      | x            | x                    | x                                   |
| Sulphuric acid, all grades, including oleum, as 100% | 2807         | 308,425      | 2,016,924              | 249,680      | 1,921,694            | -4.7                                |
| <b>Other Industrial Chemical Products</b>            |              |              |                        |              |                      |                                     |
| Aluminum sulphate (alum)                             | 2833.22      | 15,478       | 79,441                 | 17,441       | 87,348               | 10.0                                |
| Ammonia, anhydrous, 100%                             | 2814.10      | 360,017      | 2,505,010              | 329,568      | 2,381,508            | -4.9                                |
| Ammonium nitrate, all grades                         | 3102.30      | 89,779       | 541,341 <sup>r</sup>   | 90,010       | 625,244              | 15.5                                |
| Ammonium phosphate, all grades                       | 3105.30      | x            | x                      | x            | x                    | x                                   |
| Butadiene  | 2901.24.10   | 22,484       | 146,430 <sup>r</sup>   | 22,060       | 135,158              | -7.7                                |
| Butylene   | 2901.23      | 22,221       | 119,383                | 21,986       | 119,180              | -0.2                                |
| Carbon black   | 2803         | 18,905       | 107,815                | 20,654       | 117,567              | 9.0                                 |
| Chlorine   | 2801.10      | 86,101       | 516,391 <sup>r</sup>   | 85,126       | 503,752              | -2.4                                |
| Ethylene   | 2901.21      | 394,022      | 2,450,015 <sup>r</sup> | 378,045      | 2,458,708            | 0.4                                 |
| Formaldehyde, 100% solids basis                      | 2912.11      | 22,883       | 132,009 <sup>r</sup>   | 22,115       | x                    | x                                   |
| Hydrogen peroxide, 100%                              | 2847.00      | 19,387       | 119,490                | 20,238       | 124,547              | 4.2                                 |
| Methyl alcohol (methanol)                            | 2905.11      | x            | x                      | x            | x                    | x                                   |
| Propylene, as propylene in all grades                | 2901.22      | 77,102       | 466,419 <sup>r</sup>   | 64,718       | 413,842              | -11.3                               |
| Sodium chlorate                                      | 2829.11      | 94,319       | 574,836                | 92,946       | 584,162              | 1.6                                 |
| Sodium hydroxide (caustic soda), as 100% NaOH        | 2815.1       | 93,770       | 559,576 <sup>r</sup>   | 94,268       | 561,778              | 0.4                                 |
| Urea, all grades                                     | 3102.10      | 272,132      | 1,830,090              | 262,720      | 1,809,076            | -1.1                                |
| Benzene  | 2902.20      | 69,796       | 456,368                | 76,543       | 459,035              | 0.6                                 |
| Toluene  | 2902.30      | 21,828       | x                      | 21,017       | 113,183              | x                                   |
| Xylene   | 2902.4       | 20,736       | 167,426                | 27,269       | 170,116              | 1.6                                 |
| 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*.

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](mailto:manufact@statcan.ca)), Manufacturing, Construction and Energy Division.

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