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**Consumption of hazardous chemicals in the Republic of Serbia, 2012**

**- Preliminary data -**

The data represent the preliminary results of the Survey on Consumption of Hazardous Chemicals in sections Mining and quarrying, Manufacturing, Electricity, gas, steam and air conditioning supply, Water supply and sewerage (divisions: Water collection, treatment and supply; Sewerage), according to toxicity classes.

 Total consumption of hazardous chemicals in 2012 increased by 6.8% in comparison with 2011.

In the section of Manufacturing, the consumption of hazardous chemicals in 2012, amounted 753 905 tons, of which according to divisions, the largest share was observed in the divisions of Manufacture of chemicals and chemical products (84.2%) and in the Manufacture of basic metals (7.5%).

Starting from 1999 the Statistical Office of the Republic of Serbia has not at disposal and may not provide available certain data relative to AP Kosovo and Metohia and therefore these data are not included in the coverage for the Republic of Serbia (total).

**Тable 1. Consumption of hazardous chemicals in the Republic of Serbia, by toxicity classes, 2010–2012**

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|  |  |  |  |
| --- | --- | --- | --- |
|  | 2010 | 2011 | 2012 |
|  |  |  |  |
| **Total** | **599 802** | **721 324** | **770 055** |
| А – Cangerogenic, mutagenic and chemicals toxic for reproduction  | 18 624 | 18 777 | 18 357 |
| B – Chronically toxic chemicals | 4 126 | 3 679 | 3 037 |
| C – Very toxic chemicals | 177 691 | 169 788 | 237 406 |
| D – Toxic chemicals | 305 082 | 414 200 | 418 817 |
| E – Harmful chemicals | 94 279 | 114 880 | 92 438 |

**Graph 1. Consumption of hazardous chemicals in the Republic of Serbia, section Manufacturing, 2012**

![](data:application/x-msmetafile;base64...)

1) Manufacture of tobacco products; Manufacture of wood and of products of wood, except furniture; Manufacture of computer, electronic and optical products; Manufacture of furniture; Other manufacturing; Repair and installation of machines and equipment.

In 2012, the total consumption of hazardous chemicals amounted 770 055 tons, whereof, observed by toxicity classes, there were consumed 54.4% of toxic chemicals (D), 30.8% of very toxic (C), 12.0% of harmful (E), 2.4% of cancerogenic, mutagenic and chemicals toxic for reproduction (A), and 0.4% of chronically toxic chemicals (B).

In the section of Manufacturing, the largest consumption of hazardous chemicals was observed in the classes of toxic chemicals (D) 53.7%, very toxic chemicals (C) 31.2% and harmful chemicals (E) 12.2%.

**Таble 2. Consumption of chemicals in the Republic of Serbia, by activity divisions and toxicity classes, 2012**

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|  |  |  |
| --- | --- | --- |
|  | Total | Toxicity class |
| А | B | C | D | E |
|  |  |  |  |  |  |  |
| **Republic of Serbia** | **770 055** | **18 357** | **3 037** | **237 406** | **418 817** | **92 438** |
| Mining and quarrying | 1 542 |  3 |  44 |  588 |  901 |  5 |
| Manufacturing | 753 905 | 18 242 | 2 989 | 234 906 | 405 391 | 92 377 |
| Manufacture of food products | 17 966 |  2 |  160 | 10 057 | 5 812 | 1 935 |
| Manufacture of beverages | 14 583 | - |  0 | 2 675 |  517 | 11 391 |
| Manufacture of textiles |  210 | - |  0 |  183 |  27 |  0 |
| Manufacture of wearing apparel |  108 | - |  0 |  72 |  25 |  10 |
| Manufacture of leather and related products |  147 | - |  2 |  30 |  105 |  9 |
| Manufacture of paper and paper products | 2 893 |  1 |  7 |  834 | 1 970 |  80 |
| Printing and reproduction of recorded media |  937 |  848 |  1 |  10 |  0 |  78 |
| Manufacture of coke and refined petroleum products | 2 182 |  1 |  1 |  742 |  295 | 1 144 |
| Manufacture of chemicals and chemical products | 635 083 | 17 274 | 1 805 | 207 278 | 338 728 | 69 997 |
| Manufacture of basic pharmaceutical products and pharmaceutical preparations |  458 | - |  5 |  106 |  269 |  78 |
| Manufacture of rubber and plastic products | 7 594 |  36 |  68 |  493 | 6 283 |  714 |
| Manufacture of non – metallic mineral products | 4 037 | - |  23 |  27 |  392 | 3 594 |
| Manufacture of basic metals | 56 187 | 5 | 1 | 4 363 | 49 914 | 1 904 |
| Manufacture of fabricated metal products, except machinery  | 1 104 |  31 |  13 |  165 |  456 |  439 |
| Manufacture of electrical equipment | 8 629 |  6 |  756 | 7 487 |  135 |  244 |
| Manufacture of machinery and equipment n.e.c. |  231 | - |  16 |  7 |  0 |  207 |
| Manufacture of motor vehicles and trailers |  530 |  33 |  19 |  32 |  275 |  171 |
| Manufacture of other transport equipment |  216 |  0 | - |  2 |  1 |  215 |
| Оther non-mentioned divisions of Manufacturing 1) | 809 | 5 |  111 |  341 |  185 |  167 |
| Electricity, gas, steam and air conditioning supply | 6 564 |  112 |  3 | 1 874 | 4 551 |  24 |
| Water supply and sewerage  | 8 043 |  1 |  0 |  38 | 7 974 |  30 |

**Graph 2. Consumption of hazardous chemicals in the Republic of Serbia, by toxicity classes, 2012**

![](data:application/x-msmetafile;base64...)

1) Manufacture of tobacco products; Manufacture of wood and of products of wood, except furniture; Manufacture of computer, electronic and optical products; Manufacture of furniture; Other manufacturing; Repair and installation of machines and equipment.

**Таble3. Consumption of hazardous chemicals in the Republic of Serbia, by regions and by toxicty classes, 2012.**

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|  |  |  |
| --- | --- | --- |
|   | Total | Toxicity class |
| А | B | C | D | E |
|  |  |  |  |  |  |  |
| **Total** | **770 055** | **18 356** | **3 037** | **237 406** | **418 817** | **92 438** |
| Serbia – North | 669 200 | 18 284 | 1 770 | 222 309 | 357 795 | 69 042 |
| Region of Belgrade | 21 870 | 1 139 | 18 | 6 880 | 10 808 | 3 025 |
| Region of Vojvodina | 647 330 | 17 145 | 1 752 | 215 429 | 346 987 | 66 017 |
| Serbia – South | 100 855 | 72 | 1 267 | 15 097 | 61 022 | 23 396 |
| Region of Šumadije and West Serbia | 37 551 | 42 | 499 | 10 025 | 7 233 | 19 751 |
| Region of South and East Serbia | 63 304 | 30 | 768 | 5 072 | 53 789 | 3 646 |
| Region of Kosovo and Metohija | ... | ... | ... | ... | ... | ... |

**Graph 3. Counsumption hazardous chemicals in the Republic of Serbia, by regions, 2012**

![](data:application/x-msmetafile;base64...)

**Methodological notes**

Methodological explanations on Hazardous chemicals can be found on the SORS website: http://webrzs.stat.gov.rs/WebSite/Public/PageView.aspx?pKey=201

Data series on Hazardous chemicals from the reference year 2009 are available as a part of the SORS publications: http://webrzs.stat.gov.rs/WebSite/Public/PageView.aspx?pKey=200.

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| *Contact:milijana.ceranic@stat.gov.rs; ana.vignjevic@stat.gov.rs phone: 0112412922 ext.246**Published and printed by: Statistical Office of the Republic of Serbia, Milana Rakica 5, Belgrade* *Phone: +381 11 2412922 ● Fax: +381 11 2411260 ● www.stat.gov.rs* *Responsible: Dragan Vukmirovic, PhD, DirectorCirculation: 20 •*  *Issued* *annually* |