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**Consumption of hazardous chemicals in the Republic of Serbia, 2016**

**− 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; sewerage, waste management and remediation activities, according to toxicity classes.

Total consumption of hazardous chemicals in 2016 increased by 17.8% in comparison with 2015.

In the section of Manufacturing, the consumption of hazardous chemicals in 2016, amounted 958 781 tons, of which according to divisions, the largest share was observed in the divisions of Manufacture of chemicals and chemical products (90.9%).

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, 2014–2016**

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|  |  |  |  |
| --- | --- | --- | --- |
|  | 2014 | 2015 | 2016 |
|  |  |  |  |
| **Total** | **820 680** | **808 649\*** | **983 726** |
| А – Carcinogenic, mutagenic and chemicals toxic for reproduction | 14 840 | 15 435 | 19 853 |
| B – Chronically toxic chemicals | 3 382 | 3 016 | 3 540 |
| C – Very toxic chemicals | 369 948 | 415 113\* | 537 010 |
| D – Toxic chemicals | 359 445 | 303 350\* | 347 771 |
| E – Harmful chemicals | 73 064 | 71 735 | 75 553 |

\* Corrected data.

In 2016, the total consumption of hazardous chemicals amounted 983 726 tons, whereof, observed by toxicity classes, there were consumed 54.6% of very toxic chemicals (C), 35.4% of toxic (D), 7.7% of harmful (E), 2.0% of carcinogenic, 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 very toxic chemicals (C) 55.8%, toxic chemicals (D) 34.6% and harmful chemicals (E) 7.2%.

**Таble 2. Consumption of chemicals in the Republic of Serbia, by activity divisions and toxicity classes, 2016**

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|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Total | Toxicity class | | | | |
| А | B | C | D | E |
|  |  |  |  |  |  |  |
| **Republic of Serbia** | **983 726** | **19 853** | **3 540** | **537 010** | **347 771** | **75 553** |
| Mining and quarrying | 6 566 | 616 | 13 | 348 | 719 | 4 869 |
| Manufacturing | 958 781 | 19 120 | 3 487 | 534 557 | 332 107 | 69 509 |
| Manufacture of food products | 20 125 | 1 | 7 | 12 578 | 5 116 | 2 423 |
| Manufacture of beverages | 20 412 | 0 | 0 | 3 331 | 1 165 | 15 915 |
| Manufacture of textiles | 488 | - | 8 | 373 | 103 | 3 |
| Manufacture of wearing apparel | 781 | 0 | 3 | 538 | 220 | 20 |
| Manufacture of leather and related products | 250 | 0 | 1 | 81 | 140 | 28 |
| Manufacture of wood and of products of wood, except furniture | 984 | 454 | 84 | 330 | 100 | 17 |
| Manufacture of paper and paper products | 364 | 0 | 0 | 236 | 89 | 39 |
| Printing and reproduction of recorded media | 717 | - | 1 | 4 | 5 | 707 |
| Manufacture of coke and refined petroleum products | 8 628 | 1 | 1 | 4 682 | 1 573 | 2 370 |
| Manufacture of chemicals and chemical products | 871 247 | 18 439 | 2 887 | 505 599 | 309 587 | 34 735 |
| Manufacture of basic pharmaceutical products and pharmaceutical preparations | 1 362 | 4 | 42 | 79 | 127 | 1 110 |
| Manufacture of rubber and plastic products | 3 256 | 171 | 162 | 342 | 1 813 | 768 |
| Manufacture of non – metallic mineral products | 12 073 | 0 | 54 | 7 | 2 302 | 9 709 |
| Manufacture of basic metals | 9 969 | 9 | 1 | 5 170 | 4 505 | 284 |
| Manufacture of fabricated metal products, except machinery | 2 302 | 1 | 170 | 562 | 1 247 | 322 |
| Manufacture of electrical equipment | 328 | - | 5 | 58 | 31 | 234 |
| Manufacture of machinery and equipment i.e. | 334 | 40 | 5 | 1 | 27 | 261 |
| Manufacture of motor vehicles and trailers | 896 | - | 26 | 96 | 319 | 455 |
| Other Manufacturing | 4 113 | - | 19 | 479 | 3 614 | 2 |
| Other non-mentioned divisions of Manufacturing 1) | 155 | 0 | 13 | 12 | 24 | 105 |
| Electricity, gas, steam and air conditioning supply | 6 103 | 116 | 2 | 1 659 | 4 301 | 26 |
| Water supply; sewerage, waste management and remediation activities | 12 275 | 0 | 37 | 445 | 10 644 | 1 149 |

1) Manufacture of tobacco products; Manufacture of computer, electronic and optical products; Manufacture of furniture; Manufacture of other transport equipment and Repair and installation of machines and equipment.

**Таble 3. Consumption of hazardous chemicals in the Republic of Serbia, by regions and by toxicty classes, 2016.**

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|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Total | Toxicity class | | | | |
| А | B | C | D | E |
|  |  |  |  |  |  |  |
| **Total** | **983 726** | **19 853** | **3 540** | **537 010** | **347 771** | **75 553** |
| Serbia – Sever | 467 788 | 19 306 | 2 344 | 115 334 | 288 942 | 41 861 |
| Beogradski region | 24 664 | 701 | 166 | 6 460 | 11 429 | 5 908 |
| Region Vojvodine | 443 124 | 18 605 | 2 179 | 108 875 | 277 513 | 35 953 |
| Serbia – Jug | 515 937 | 546 | 1 195 | 421 675 | 58 829 | 33 692 |
| Region Šumadije i Zapadne Srbije | 238 361 | 470 | 1 149 | 152 674 | 52 153 | 31 915 |
| Region Južne i Istočne Srbije | 277 577 | 76 | 47 | 269 001 | 6 676 | 1 777 |
| Region Kosovo and Metohija | ... | ... | ... | ... | ... | ... |

**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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