

# STATISTICAL RELEASE

# ZS71

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**Environmental statistics**

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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.

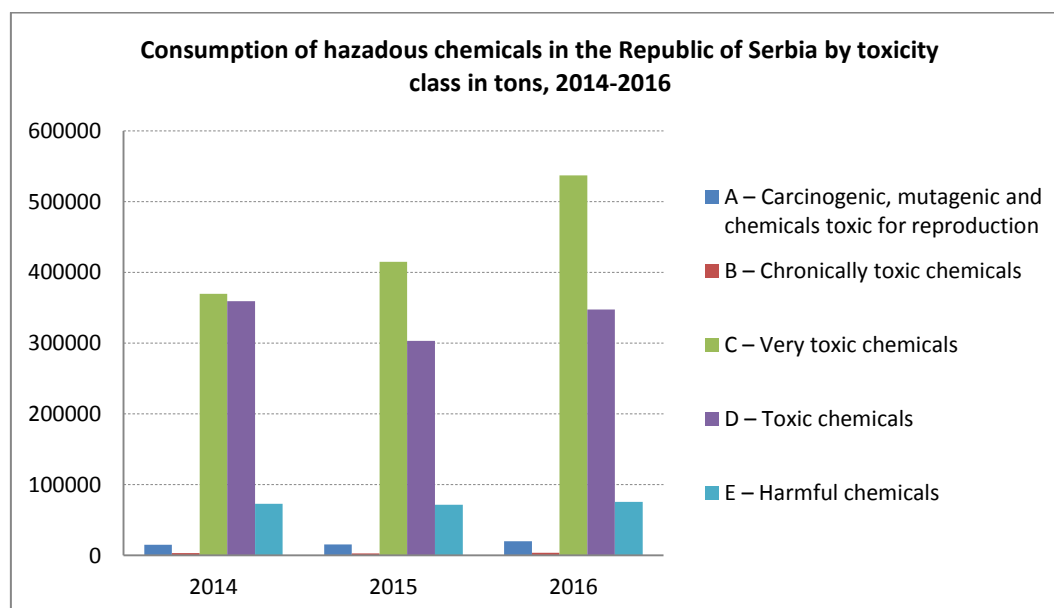
Total consumption of hazardous chemicals in 2016 increased by 17.8% in comparison with 2015.

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).

**Table 1. Consumption of hazardous chemicals in the Republic of Serbia, by toxicity classes, 2014–2016**

	2014	2015	2016
<b>Total</b>	<b>820 680</b>	<b>808 649*</b>	<b>983 726</b>
A – 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



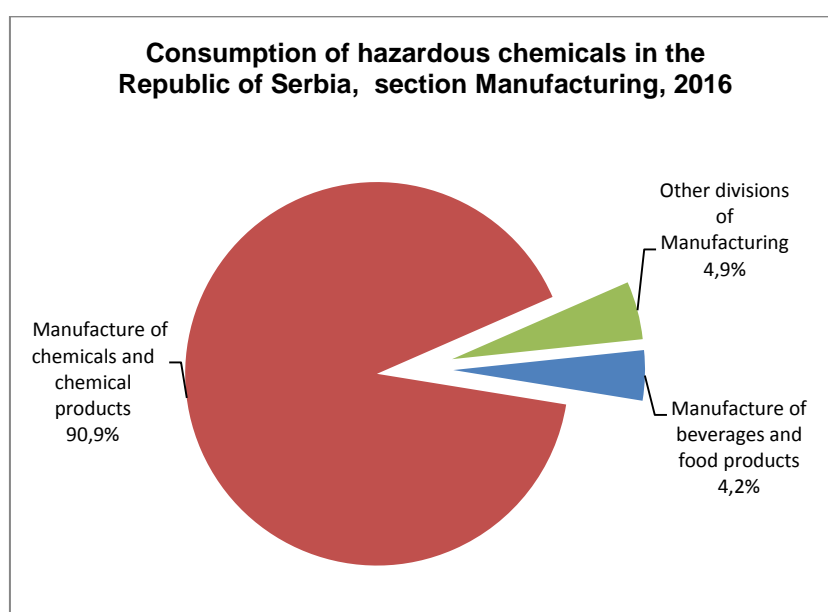
\* Corrected data.

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%.

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

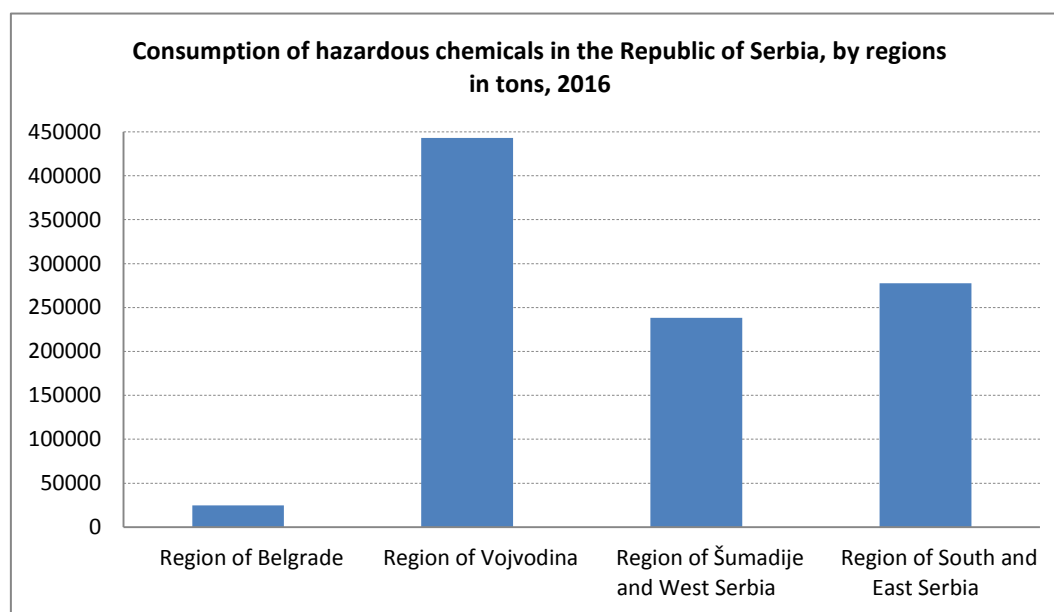
	Total	Toxicity class				
		A	B	C	D	E
<b>Republic of Serbia</b>	<b>983 726</b>	<b>19 853</b>	<b>3 540</b>	<b>537 010</b>	<b>347 771</b>	<b>75 553</b>
Mining and quarrying	6 566	616	13	348	719	4 869
Manufacturing	958 781	19 120	3 487	534 557	332 107	69 509
Manufacture of food products	20 125	1	7	12 578	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 <sup>1)</sup>	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



<sup>1)</sup> 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.

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

	Total	Toxicity class				
		A	B	C	D	E
<b>Total</b>	<b>983 726</b>	<b>19 853</b>	<b>3 540</b>	<b>537 010</b>	<b>347 771</b>	<b>75 553</b>
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://webzrs.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://webzrs.stat.gov.rs/WebSite/Public/PageView.aspx?pKey=200>.

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