

SURVEY ON HAZARDOUS CHEMICALS

LEGAL BASIS

Survey on hazardous chemicals is conducted on the basis of Law on Official Statistics („Official Gazette of RS“, No. 104/2009);

METHOTODOLOGICAL BASIS

This complex survey has been designed to gather information on the consumption, production and exports/imports of hazardous chemicals.

Additionally, the results of this survey are necessary for the implementation of the Convention on Long-Range Transboundary Air Pollution - CLRTAP, Greenhouse Gases Protocol (GHG), Rotterdam Convention (Agreement on International Trade of hazardous chemicals and pesticides) and Stockholm Convention on Persistent Organic Pollutants (POPs¹ - category of compounds that are toxic to humans and wildlife, bio-accumulative and persistent in the environment).

The complex survey on hazardous chemicals contains the data on:

- Purchased, imported and consumed quantities of hazardous chemicals and available quantities of hazardous chemicals at the beginning and at the end of the previous year – data is collected through the survey;
- Production of hazardous chemicals –statistical sources;
- Export/import of chemicals – data is overtaken from statistical sources.

Reporting units, statistical units

Reporting units for this survey are business entities registered, according to the Classification of Activities, in the sections: Mining and quarrying, Manufacturing, Electricity, Gas, Steam and Air Conditioning Supply and Water supply; sewerage, waste management and remediation activities that use hazardous chemicals in the production process.

Survey coverage

Coverage of the survey on hazardous chemicals is complete, covering business entities with 10 and more employees, performing their activity on the whole territory of the Republic of Serbia. 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 Metohija and therefore these data are not included in the coverage for the Republic of Serbia (total).

Method, time and sources for data collection

Data collection is done by the reporting method, meaning that the reporting unit uses its available documentation and records to fill in the questionnaire.

The reporting unit forwards the questionnaire with the previous year data to the relevant statistical authority not later than the deadline fixed in the annual plan.

If related records are non-existent for certain data, an expert will make an evaluation.

Obligation to protect individual data

The results of the survey are published as aggregates, considering the principle of individual data protection according to the Law on Official Statistics (“Official Gazette of RS”, No 104/2009).

List and definitions² of main items – indicators

Chemical is any element, compound or their mixture.

Hazardous chemical is chemical that can be classified at least one of classes of toxic.

Carcinogenic chemical is the chemical which, if inhaled, swallowed or absorbed through the skin, can cause cancer or increase the risk of it.

¹ Persistent Organic Pollutants

² The definitions are taken from the Rulebook on classification, packaging, marking and advertising chemicals and particular products (“Official Gazette of RS” No. 59/10, 25/11 and 5/12)

Mutagenic chemical is the chemical which, if inhaled, swallowed or absorbed through the skin, can cause genetic changes or increase the risk of them.

Chemical toxic for reproduction is the chemical which, if inhaled, swallowed or absorbed through the skin, can cause hazardous effects on posterity and/ or decrease male or female reproductive functions, i.e. decrease the capabilities or increase the risk of their appearance.

Chemical that cause sensibilization is the chemical which, if inhaled, swallowed or absorbed through the skin, can cause over sensibility and longer exposure to such chemical can cause characteristic hazardous effects.

Very toxic chemical is the chemical which, if inhaled, swallowed or absorbed through the skin, in small quantities, can cause death, acute or chronic health effects.

Toxic chemical is the chemical which, if inhaled, swallowed or absorbed through the skin, in small quantities, cause death, acute or chronic health effects.

Harmful chemical is the chemical which, if inhaled, swallowed or absorbed through the skin, cause death, acute or chronic health effects.

Level of data representativeness (*territorial, CA*)

The data are representative for:

- Territory of the Republic of Serbia up to the level of NSTJ2;
- Sections: Mining and quarrying, Manufacturing, Electricity, gas, steam and air conditioning supply and Water supply; sewerage, waste management and remediation activities.

Harmonization with international recommendations, standards and practice

Classification of chemicals by R (risk) - Phrases is the system based on physical and toxic chemicals that affect human life and health. The list of hazardous chemicals is based on the EU list of industrial goods (PRODCOM list). From PRODCOM, from digit levels 19.10.XX-20.15.XX comprising 393 chemicals, 166 of them, with toxic characteristics and by R – Phrases³ have been selected.

The list of chemicals is compliant with the Regulation on the Registration, Evaluation, Authorization and Restriction of Chemical Substances 1907/2006 (REACH).

DESCRIPTION OF THE SURVEY MANAGEMENT

Bodies in charge of the survey management

Preparations and conduction of this survey involves:

- Statistical Office of the Republic of Serbia – Group for Environmental Statistics, Statistical Department of AP Vojvodina, Regional offices of the SORS and
- Secretariat for Administration – Statistical Sector, City of Belgrade

Obligation to provide data

The obligation to provide data is laid down in Article 26 and penalty provisions relative to the refusal of providing data or providing incomplete and false data in Article 52 of the Law on Official Statistics ("Official Gazette of RS", No 104/09).

Timetable of the main phases of the survey, including data publishing

Conducting the Annual survey on hazardous chemicals encompasses the activities that are realized in accordance with the Annual plan of official statistics, adopted by the Government of the Republic of Serbia:

- Distribution of the questionnaires to regional organizational units, Statistical Department of AP Vojvodina and
- Secretariat for Administration – Statistical Sector, City of Belgrade(February)
- Delivery of inputted and controlled material (May)
- Logical and computer control (April)
- Preliminary data (June)
- Final data (December)

³ Commission directive 2001/59/EC of 6 August 2001 adapting to technical progress for the 28th time Council Directive 67/548/EEC on approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.

SURVEY TOOLS

Questionnaire and instructions for filling the questionnaire

For conducting the Survey on hazardous chemicals, applied are the following survey tools:

- Questionnaire “Survey on consumption of hazardous chemicals“,
- Data on production, exports/imports of chemicals are taken over from statistical sources.

Electronic form of the questionnaire is available on SORS website: www.stat.gov.rs

List of nomenclatures and classifications used in the survey

For the purpose of the survey conducting, applied are:

- List of hazardous chemicals according to: Chemical Indicators: “Research, Development, Statistical and Analytical Work to Develop Appropriate Environmental Indicators Related to Chemicals” – Annex
- Regulation on Classification of Activities (“Official Gazette of RS”, No. 54/10);
- Regulation on Nomenclature of Statistical territorial Units (“Official Gazette of RS”, No 109/09 and 46/10);
- Nomenclature of Industrial Products , Methodology and standards, No. 59, 2015, Statistical Office of the Republic of Serbia
- Law on Custom tariff (“Official Gazette of RS”, No. 62/05, 61/07, 05/09);
- Law on chemicals (“Official Gazette of RS”, No. 36/09, 88/10, 92/11, 93/12 and 25/15);
- Rulebook on classification, packaging, marking and advertising chemicals and particular products (“Official Gazette of RS”, No. 59/10, 25/11 и 5/12).

List of publications in which the survey results and the relevant methodology are published

- Statistical Yearbook
- Eco-bulletin
- Statistical pocketbook
- Statistical Release ZS71- Consumption of hazardous chemicals
- Website: www.stat.gov.rs.

Contact persons: Dušanka Dostanić, phone: 3290-050
Bojana Kržalić Milenković, phone: 3290-242