

19
Regulation
of the Ministry of Environment
dated 4th December, 1995
that sets the categories of waste and the Waste Catalogue

The Ministry of Environment of the Slovak Republic after the agreement with the Ministry of Economy of the Slovak Republic and the Ministry of Agriculture of the Slovak Republic, according to the Article 13 par. 2 of the Act No. 238/1991 of the Coll. on waste in wording of the Act of the Slovak National Council No. 255/1993 enacts as follows:

Article 1

The classification of waste

1. The waste is classified according to the Waste Catalogue given in the Annex No. 1 of the Regulation into categories and quality groups, each of them is designated with a five-figures-code.
2. The individual waste quality groups are classified into
 - a. main groups with double-figure code;
 - b. groups with single-figure code;
 - c. subgroups with triple-figure code.
1. The waste is divided into following categories:
 - a. the hazardous waste, marked with the letter N;
 - b. the separate waste, marked with the letter Z;
 - c. other waste, marked with the letter O.
1. The waste contained at the Waste Catalogue arranged according to its origin and management conditions and the hazardous waste also according to their qualities or its pollutant content, respectively, that determine or may implicate its hazard. The qualities of waste causing its hazardousness (hereinafter only "the hazardous qualities") are given in the Annex No. 2 of the Regulation.
2. The pollutant, as a rule, is the compound having one or more hazardous qualities and being contained in the waste in amounts or concentrations, that may be a reason for the mayhem of humans, death or injury to their tangible property or environment. The list of pollutants is given in the Annex No. 3 of the Regulation.
3. If such a waste consists of several components the classification code shall be determined for it according to the most hazardous component with respect to the human health, the tangible property or the environment, respectively.
4. If such a waste may not be classified according to the Waste Catalogue the classification code shall be determined as for the waste being most close to its qualities or origin. The waste having at least one hazardous quality shall always be classified as the hazardous waste.

Article 2

The repealing stipulations

The measure of the Federal Committee for Environment that sets up the Waste Categorisation and Catalogue, published in the Journal No. 69/1991 of the Coll., is hereby repealed.

Article 3

Coming into force

The Regulation came into force on 1st February 1996.

Jozef Zlocha, sign manual.

**ANNEX NO. 1
of the Regulation of the Ministry of Environment
of the Slovak Republic No. 19/1996 of the Coll.
Waste Catalogue**

Explanations to the individual items of the Waste Catalogue:

Items: 1 – 3 Designation of the kind of waste

- 1 – number
- 2 – denomination
- 3 – origin examples

4 – 6 Waste categories

- 4 – other waste, marked with the letter O
- 5 – separate waste, marked with the letter Z
- 6 – hazardous waste, marked with the letter N

7 – 10 Recommended way for the waste processing and disposal

- 7 – physical and chemical, marked with the letter FCH
- 8 – biological, marked with the letter B
- 9 – incineration, marked with the letter SP
- 10 – storage, marked with the letter SK

The code number of the advisability of the individual way of processing and disposal:

- 1 – advisable
- 2 – conditionally advisable
- 3 – not advisable

**List of main groups, groups and subgroups
at the waste catalogue**

1	Waste of the vegetable and animal origin (except for the waste of the main group 9)
11	Waste from food, stimulants and feeder (except for the waste from the fat processing and from the animal butcheries)
111	Food waste
114	Stimulant waste
117	Feeder waste

12	Waste from vegetable and animal fat products
121	Waste from the vegetable and animal oils
123	Waste from the vegetable and animal fats and wax
125	Emulsions and mixtures from the vegetable and animal fat production
126	Waste from the products made from vegetable oils
127	Sludge from the vegetable and animal fat production
129	Waste from the vegetable and animal fats refinery
13	Waste from breeding, slaughtering and processing animals
131	Waste from slaughtering and processing
134	Animal bodies
137	Animal faeces
14	Waste from skin, and hides
141	Waste from skin, and hides
15	Vegetable waste
153	Vegetable parts
155	Adulterate products
159	Other vegetable waste
17	Wood waste
171	Wood waste
172	Wood waste from its application fields
18	Cellulose, paper and paperboard waste
181	Waste from the cellulose production
184	Waste from the cellulose processing
187	Paper and paperboard waste
19	Other waste of the vegetable and animal origin (except for the waste from rubber and

	textile)
199	Other waste from the processing and treatment of animal and vegetable products
3	Waste of the mineral origin, incl. the treated products
31	Waste of the mineral origin (except for the metallic waste)
311	Waste from the furnace brickwork, the steam boilers and the incineration equipment, metallurgical and foundry rubbish
312	Metallurgical slag, dross and dust
313	Ash, slag, cinder, fly ash and dust from firing, the solid products from the flue gas scrubbing
314	Other solid mineral waste
316	Mineral sludge
35	Waste containing metals
351	Iron and steel waste
353	Non-ferrous metal waste
355	Sludge containing metals
39	Other waste of the mineral origin incl. treated products
399	Other waste of the mineral waste
4	Waste from the waste treatment
41	Waste from the mechanical treatment
411	Carcass of transportation means, machines and mechanisms
412	Vitrification waste and scrap
42	Waste after the physico-chemical treatment
421	Waste stabilised by the physico-chemical treatment
422	Vitrificated waste and the waste from the vitrification

43	Waste from the biological treatment
431	Waste from the aerobic waste treatment
432	Waste from the anaerobic waste treatment
5	Waste from the chemical process incl. the textile waste
51	Oxides, hydroxides, salts
511	Neutralisation sludge from the galvanic process
513	Other oxides and hydroxides
515	Salts
52	Acids, hydroxides, concentrates
521	Inorganic acids
522	Organic acids
524	Hydroxides
527	Concentrates and solutions
53	Waste from the pesticides and insecticides, incl. pharmaceutical products and waste from other protection preparations
531	Waste from the pesticides and insecticides
533	Waste from cosmetic preparations
535	Waste from pharmaceutical products
536	Waste from anti-chemical protection products
54	Waste from the mineral oil treatment, coal refining, transportation of gas and mineral oil. Waste from the use of mineral oil products and those from the coal refining
541	Mineral oil compounds
542	Fats and waxes from the mineral oil
544	Emulsions and product mixtures from the mineral oil
545	Residues from the mineral oil exploitation
547	Sludge containing the mineral oil products

548	Residues from the mineral oil refining
549	Other waste from the mineral oil products, mineral oil treatment and coal refining
55	Organic solvents, paintings, adhesives, binders, resins
552	Organic solvents halogenated and theirs tempers
553	Organic solvents non-halogenated and theirs tempers
554	Sludge and the detersives containing solvents
555	Dyes and paintings
559	Adhesives, binders, resins
57	Plastic and rubber waste
571	Waste from hardened plastics
572	Waste from non-hardened plastics, from components of plastics
573	Sludge and emulsion containing plastics
575	Solid rubber waste, incl. tyres
577	Sludge and emulsions containing rubber
58	Textile waste (from natural and chemical fibres)
581	Textile waste
582	Contaminated textile
59	Other waste from the chemical process
591	Explosives
593	Laboratory waste and residues of chemicals
594	Waste from detergents and washing powder
595	Catalysts
597	Waste from the distillation
599	Other waste from the chemical process
7	Waste containing radioactive compounds

71	Radioactive waste from the working sites except for the fuel cycle
711	Waste from the working sites except for the fuel cycle
72	Radioactive waste from the fuel cycle equipment
721	Waste from the exploitation and treatment of the uranous ores
722	Waste from the operation of the nuclear plant with nuclear reactors
723	Waste from the shut down nuclear plant with nuclear reactors
724	Waste from other nuclear plants
725	Burnt out nuclear fuel
73	Other radioactive waste
731	Other radioactive waste
732	Radioactive waste taken besides the control of the radioactivity sources
8	Waste from the water management equipment
81	Liquid waste from the waste management equipment
811	Waste from the sinks
82	Waste from the water treatment plants and the operation of the sewage water system
825	Sludge from the mechanical and physico-biological treatment of the sewage water
826	Waste from the industrial sewage water treatment
827	Waste from the sewage water system and water treatment plant
83	Waste from water conditioning and operation of the watercourses
831	Sludge from the water conditioning
832	Waste from the watercourse management and from the water storage reservoirs
9	Municipal waste and similar waste from the sale, trade activity, industry, institution, and bureau

91	Municipal waste
911	House waste
913	Voluminous waste
915	Dust
917	Green waste
93	Specific waste for the health and veterinary care
931	Specific waste for the health and veterinary care
94	Waste specific for the spa operation
941	Waste specific for the spa operation

ANNEX NO. 2
of the Ministry of Environment of the Slovak Republic No. 19/1996 Coll.
PROPERTIES CAUSING HAZARDEOUSNESS OF WASTE
("HAZARDEOUS PROPERTIES")

;

1. Explosiveness

An explosive substance or waste is a solid or liquid substance or waste (or mixture of substances or waste), which by itself is capable of a chemical reaction producing gas of such temperature and pressure and at such speed that it can cause damage to the environment.

2. Combustibility of liquids

The term combustibility has the same meaning as flammability. Combustible liquids are liquids or mixtures of liquids or as the case may be liquids containing solid substances in the solution or in the suspension, which evolve combustible vapours at temperatures not exceeding 60,5°C during the test in a closed crucible and not exceeding 65,6°C during a test in an open crucible.

3. Combustibility of solids

Solids or waste solids other than those classified as explosives, which under conditions in which they are exposed are easily flammable or can cause fire or as the case may be can support the fire by friction.

4. The ability of substances or waste to be set alight by themselves

Substances or waste which are capable to be heated by themselves or in contact with air under normal conditions to which they are exposed and therefore they can be set alight by themselves.

5. The ability of substances or waste to evolve flammable gases in contact with water

Substances or waste which in reaction with water are apt to be set alight by themselves or to release flammable gases in hazardous volume.

6. Oxidation capability

Substances or waste, which themselves need not be flammable but support burning of other materials particularly as an oxygen source.

7. Thermal activity of organic peroxides

Thermally active organic substances or waste containing peroxidic bond (-O-O-), which can be subject to exothermic self speeding decomposition.

8. Acute toxicity (poisonousness)

Substances or waste, which can be detrimental to the health of people or can cause their death if they are used or inhaled or in direct contact with the skin.

9. Chronical toxicity (poisonousness) and belated effect

Substances or waste, which can evoke belated or chronical effects inclusive carcinogenity, if they are inhaled or used or if they penetrate the skin.

10. Capability of substances to evolve poisonous gases in contact with air or water

Substances or waste which by reaction with air or with water evolve poisonous gases in hazardous amount.

11. Causticity, corrodibility

Substances or waste, which by chemical activity can cause such damage of live tissue in contact with it, damaging or destroying of the thing.

12. Infectivity

Substances or waste containing live micro-organisms or their toxins, about which it is known or they are suspicious to evoke diseases of animals and people.

13. Ecotoxicity

Substances or waste, which after release represent or can represent immediate or belated danger as a result of unfavourable load of the environment by biological accumulation or by poisonous effects on biotic systems.

14. Consequential danger

Substances or waste capable in whichever way to evolve water lies detrimental for the environment during their disposal by depositing

15. Radioactivity

Radioactivity is a property of substances or waste or facilities, with contents of radionuclides, to radiate some forms of ionising radiation, which can cause serious damage to the health of people or

other live organisms or their death. Ionising radiation is understood to be particularly radiation alpha, beta and gamma radiation by radionuclides.

ANNEX NO. 3
of the Ministry of Environment of the Slovak Republic No. 19/1996 Coll.
List of harmful substances

1. Berillium, compounds of beryllium
2. Compounds of vanadium
3. Compounds of hexavalent chromium
4. Compounds of cobalt
5. Compounds of nickel
6. Compounds of copper
7. Compounds of zinc
8. Arsenic, compounds of arsenic
9. Selenium, compounds of selenium
10. Compounds of silver
11. Cadmium, compounds of cadmium
12. Compounds of tin
13. Antimonium, compounds of antimonium
14. Tellurium, compounds of tellurium
15. Compounds of barium except for barium sulphate
16. Mercury, compounds of mercury
17. Tallium, compounds of tallium
18. Lead, compounds of lead
19. Inorganic sulphanes
20. Inorganic compounds of fluorine except for calcium difluoride.
21. Alkaline metals and metals of alkaline soils : lithium, sodium, potassium, calcium, magnesium
22. Solutions of acids and acids in solid form
23. Solutions of bases and bases in solid form
24. Asbestos (dust and fibres)

25. Organic compounds of phosphorus
26. Metal carbonyls
27. Peroxides
28. Chlorates
29. Perchlorates
30. Azides
31. PCB or PCT
32. Cresols (mixture of phenols obtained from black coal tar and used for impregnation of wood and for flotation of ores)
33. Isocyanates, thiocyanates
34. Cyanides
35. Phenols, compounds of phenols inclusive chlorinated phenols
36. Organohalogenated compounds, other than substances entered in this list except for polymerized compounds
37. Polycyclic aromatic compounds, polycyclic and heterocyclic compounds
38. Aliphatic amines
39. Aromatic amines
40. Ethers
41. Halogenated organic solvents
42. Organic solvents except for halogenated solvents
43. Substances of explosive character except for substances entered in this annex
44. Organic sulphurous compounds
45. Congeneres of polychlorinated dibenzofuranes
46. Congeneres of polychlorinated dibenzo-p-dioxines