

**Uniform Sanitary and Epidemiological and Hygienic Requirements for Goods
Subject to Sanitary and Epidemiological Supervision
(Control)**

Chapter II

**Section 16. Regulations on Materials and Articles of Polymer and Other
Materials Intended to Come into Contact with Food Products and Mediums**

Regulations on Materials and Articles of Polymer and Other Materials Intended to Come into Contact with Food Products and Mediums

(as amended by Decision of the Customs Union Commission
No 889 of 9 December 2011)

1. AREA OF APPLICATION

This section establishes sanitary and epidemiological requirements for materials and articles of polymer and other materials intended to come into contact with food products and mediums, which shall not release into contiguous model solutions and ambient air any staffs, the amounts of which threaten human health, exceed the acceptable migration limits, and any compounds that may cause tumorigenic, mutagenic and any other long-term effect.

Sanitary and chemical studies shall be carried out in compliance with the established procedure. Non-compliance with the sanitary and epidemiological safety requirements endangers human life and health.

This section of the Uniform Requirements shall set requirements for the following groups of food contact articles subject to sanitary and epidemiological supervision pursuant to the codes of the Commodity Nomenclature of Foreign Economic Activity of the Customs Union:

from 3917, from 3920, from 3923, from 3924, from 4415, from 4416 00 000 0, from 4503, from 4819, from 6305, from 6911, from 6912 00, from 7010, from 7013, from 7310, from 7310 10 000 0, from 7323 92, from 7323 93, from 7323 94, from 7323 99 990 0, from 7418, from 7612, from 7615, from 8418, 8418 21, 8418 30 910, 8418 30 990, 8418 40 910, 8418 40 990, from 8422 40 000, from 8423, from 8434, from 8437, 8438, 8509 40 000 0, 8516 50 000 0, 8516 60, 8516 60 10, 8516 60 101 0, 8516 60 109 0). The list is specified in Table 1.

The following groups of articles subject to sanitary and epidemiological supervision pursuant to the codes of the Commodity Nomenclature of Foreign Economic Activity of the Customs Union: from 8418, 8418 21, 8418 30 910, 8418 30 990, 8418 40 910, 8418 40 990, from 8422 40 000, from 8423, from 8434, from 8437, 8438, 8509 40 000 0, 8516 50 000 0, 8516 60, 8516 60 10, 8516 60 101 0, 8516 60 109 0 shall undergo additional examination as per physical effects parameters specified in Section 7 'Regulations on Mechanical, Instrument and Electrical Engineering Products'

2. TERMS AND DEFINITIONS

AML – acceptable migration limits for chemical substances, (mg/l, mg/dm²)

MAC_w – maximum acceptable concentration of chemical substances in drinking water, (mg/l)

MAC_{d.a.} – maximum acceptable daily average concentration of pollutants in the ambient air of settlements, (mg/m³)

TSELs – tentative safe exposure levels of pollutants in the ambient air of settlements, (mg/m³)

3. GENERAL PROVISIONS

AML (Acceptable Migration Limits for chemical substances) values (mg/l) shall be the major evaluation criteria for sanitary and chemical examinations of articles intended to come into contact with food products with humidity of more than 15 %. In such a case the chemical substance migration level shall be determined on the basis of model solutions (distilled water, weak acid solutions, etc.) that simulate the properties of the prospective food products range under time–temperature conditions close to the real usage conditions.

Organoleptic indicators found out in the course of examination of materials and articles intended to come into contact with food products and mediums shall comply with the requirements set in Tables 4 and 5.

Amount of identified substances in model solutions shall not exceed the respective AML values.

MACw (maximum acceptable concentration of substances in drinking water) values (mg/l) shall be applied only if the AML values for identified substances cannot be found (not present).

In the course of sanitary and chemical examinations of articles intended to come into contact with dry food products with humidity of less than 15 % released chemical substances shall be determined in the ambient air under time–temperature conditions close to the real usage conditions. The amounts found shall be assessed according to MACd.a. (mg/m^3) and TSELs (mg/m^3) values.

MACd.a. (maximum acceptable daily average concentration of chemical substances in the ambient air of settlements) values (mg/m^3) shall be the criteria for assessment of the level of migration of substances into the ambient air.

If the MACd.a. value is not available, the identified substance shall be assessed on the basis of TSELs value (mg/m^3), that is tentative safe exposure levels of pollutants in the ambient air of settlements.

Along with the hygienic requirements there is a specification of hazard classes of chemical substances contained in water and air. Hazardous substances are classified on the basis of their impact on human health according to the classification and labelling rules of the Customs Union member-states. There are four hazard classes: Class 1 – extremely hazardous substances, Class 2 – highly hazardous substances, Class 3 – moderately hazardous substances, Class 4 – low hazardous substances.

Use of polystyrene for packaging of food products designated for nutrition of children of preschool age (older than 3 years) and school age is allowed.

In the course of examination of materials and articles intended for packaging of baby food, production of articles for children, inclusive children dishes, migration of chemical substances of Hazard Classes 1 and 2 shall not be allowed.

This section specifies the main types of food contact materials (polymers, plastics, steels, alloys, etc.) and their main chemical properties thereof that shall be subject to supervision in the course of sanitary and chemical examinations. Hygienic safety indicators and substance standards are specified in Tables 2 and 3.

Organoleptic indicators found out in the course of examination of food contact materials and articles and their standards are set in Tables 4 and 5.

Standard sample is a sample of single-type articles, which are produced by the same manufacturer using the same production means with application of the same materials and applicable in the same areas and under the same usage conditions (temperature mode, contact time).

Standard sample of multi-layer and composite polymer materials and articles thereof is a sample of the layer that has direct contact with food, such sample shall represent single-type articles, which are produced by the same manufacturer of the same material, without regard to the presence and contents of any other layers.

UNIFORM LIST
of Goods Subject to Sanitary and Epidemiological Supervision (Control) at
the Customs Border and the Customs Territory of the Customs Union

| Goods Classification under the Code of the Commodity Nomenclature of Foreign Economic Activity of the Customs Union | Short Article Name |
|--|---|
| Group 39 Plastics and Plastic Articles | |
| From 3917 | Tubes, pipes, hoses and their fittings (such as joints, elbows, flanges) of plastics (for drinking water supply); artificial guts (for sausage products) from hardened proteins or cellulosic materials |
| From 3920 | Other plates, sheets, films, strip, etc. of plastics, non-porous and not reinforced, not laminated, unsupported and not combined in such a way with other materials for inside premises as well as intended for contact with food products and for production of children clothes, shoes and toys |
| From 3923 | Articles for transportation or packaging of plastic goods (boxes, cases, baskets and similar articles), intended for contact with food |
| From 3924 | Tableware and cookware, flatware and kitchen utensils intended for contact with food |
| Group 44 Wood and Wood Articles; Charcoal | |
| From 4415 | Cases, boxes, crates and baskets, drums and similar packaging items of wood, intended for food packaging |
| From 4416 00 000 0 | Casks, barrels, vats, tubs and other cooperage articles of wood, intended for food packaging |
| Group 45 Cork and Articles Thereof | |
| From 4503 | Articles of natural cork, intended for contact with food |

| Goods Classification under the Code of the Commodity Nomenclature of Foreign Economic Activity of the Customs Union | Short Article Name |
|--|--|
| Group 48 Paper and Cardboard; Articles of Paper Pulp, Paper or Cardboard | |
| From 4805 | Paper for food packaging; filtered paper and cardboard used in food industry |
| From 4819 | Cartons, boxes, cases, bags and other packing containers of paper, cardboard, intended for food packaging |
| Group 63 Other Finished Textiles; Sets; Second-Hand Clothes and Textiles; Rag | |
| From 6305 | Packing sacks and bags, intended for contact with food |
| Group 69 Ceramics | |
| From 6911, From 6912 00 | Tableware and cookware |
| Group 70 Glass and Glass Articles | |
| From 7010 | Carboys, bottles, flasks, jars, pots, cans and other glass containers intended for storage, transportation or packaging of food products for industry and household use |
| From 7013 | Tableware and cookware |
| Group 73 Articles of Ferrous Materials (Intended for Contact with Food Products and Drinking Water) | |
| From 7310 7310 10 000 0 | Tanks, casks, drums, jerricans, boxes and similar containers of ferrous materials intended for any substances (other than compressed or liquefied gas) with a capacity of or below 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment, except those with a capacity of or above 50 l |
| From 7323 92 | Flatware, kitchen and other household utensils and parts thereof |

| Goods Classification under the Code of the Commodity Nomenclature of Foreign Economic Activity of the Customs Union | Short Article Name |
|--|--|
| | made of ferrous materials: cast iron, enamel-lined |
| From 7323 93 | Flatware, kitchen and other household utensils and parts thereof made of ferrous materials: of corrosion-resistant steel |
| From 7323 94 | Flatware, kitchen and other household utensils and parts thereof made of ferrous materials (except cast iron), enamel-lined: |
| From 7323 99 990 0 | Flatware, kitchen and other household utensils and parts thereof made of ferrous materials: metal lids for glass containers |
| Group 74 Copper and Copper Articles | |
| From 7418 | Flatware, kitchen and other household utensils of melchior, brass, nickel silver with chrome, nickel, gold or silver coating |
| Group 76 Aluminium and Aluminium Articles | |
| From 7612 | Metal flasks for milk and dairy products |
| From 7615 | Flatware, kitchen and other household utensils and parts thereof made of aluminium |
| Group 84 Nuclear Reactors, Boilers, Equipment and Mechanical Appliances; Parts Thereof | |
| From 8418 8418 21, 8418 30 910, 8418 30 990, 8418 40 910, 8418 | Cabinets, chilling and refrigerating chambers |

| Goods Classification under the Code of the Commodity Nomenclature of Foreign Economic Activity of the Customs Union | Short Article Name |
|---|---|
| 40 990 | |
| From 8422 40,000 | Equipment for packaging and wrapping (including equipment for thermal setting of wrapping material) intended for use in sugar, starch and syrup industry; equipment for opening and re-closure of cans and bottles; |
| From 8423 | Equipment for food weighting |
| From 8434 | Milking machines and appliances, equipment for milk treatment and processing |
| From 8437 | Equipment for flour-milling industry or for corn or dried bean treatment, except for the equipment used at agricultural farms |
| 8438 | Equipment for industrial food and beverage making or production that cannot be included into the above sections of the group, except for the equipment for extraction or production of animal and involatile vegetable fats and oils: |
| Group 85 Electrical Machinery and Equipment, Parts Thereof; Sound Recording and Reproducing Equipment, Television Image and Sound Recording and Reproducing Equipment, Parts and Accessories Thereof | |
| 8509 40 000 0 | Food grinders and mixers; squeezers for fruits or vegetables |
| 8516 50 000 0 | Microwave ovens |
| 8516 60 | Other ovens; electric plates, portable cooking appliances, electric cooking boilers, grills, roasters |
| 8516 60 10 | Electric plates (at least with an oven and panel with electric heating elements) |
| 8516 60101 0 | Stationary household plates |

| Goods Classification under the Code of the Commodity Nomenclature of Foreign Economic Activity of the Customs Union | Short Article Name |
|--|---|
| 8516 60109 0 | Other plates; portable electric plates, cooking boilers and panels with electric heating elements for electric plates |

Table 2

Hygienic Safety Indicators and Standards of Substances Evolving from Materials, Articles Intended to Come into Contact with Food Products

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ in Atmospheric Air | TSELs, mg/m ³ in Atmospheric Air | Hazard Class | |
|--|-----------------------|-----------|-------------|--------------|---|---|--------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| 1. Polymer Materials and Plastics on their Basis | | | | | | | | |
| 1.1. Polyethylene (high-pressure polyethylene, low density polyethylene), polypropylene copolymer of propylene with ethylene, polybutylene, polyisobutylene, combined materials based on polyolefins | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | Ethyl acetate | 0.100 | -- | 2 | 0.100 | -- | 4 | |
| | Hexane | 0.100 | -- | 4 | -- | -- | -- | |
| | Heptane | 0.100 | -- | 4 | | | | |
| | Hexene | -- | -- | -- | 0.085 | -- | 3 | |
| | Heptene | -- | -- | -- | 0.065 | -- | 3 | |
| | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 | |
| | <i>Alcohols:</i> | | | | | | | |
| | methyl | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | propyl | 0.100 | -- | 4 | 0.300 | -- | 3 | |
| | isopropyl | 0.100 | -- | 4 | 0.600 | -- | 3 | |
| | butyl | 0.500 | -- | 2 | 0.100 | -- | 3 | |
| isobutyl | 0.500 | -- | 2 | 0.100 | -- | 4 | | |
| 1.2. Polystyrene plastic: | | | | | | | | |
| 1.2.1. Polystyrene bulk-polymerized, impact-resistant | Styrene | 0.010 | -- | 2 | 0.002 | -- | 2 | |
| | <i>Alcohols:</i> | | | | | | | |
| | methyl | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | butyl | 0.500 | -- | 2 | 0.100 | -- | 3 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Benzene | -- | 0.010 | 2 | 0.100 | -- | 2 | |
| | Toluene | -- | 0.500 | 4 | 0.600 | -- | 3 | |
| Ethylbenzene | -- | 0.010 | 4 | 0.020 | -- | 3 | | |
| 1.2.2. Copolymer of styrene with acrylonitrile | Styrene | 0.010 | -- | 2 | 0.002 | -- | 2 | |
| | Acrylonitrile | 0.020 | -- | 2 | 0.030 | -- | 2 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Benzaldehyde | -- | 0.003 | 4 | 0.040 | -- | 3 | |
| 1. 2. 3. ABS resin | Styrene | 0.010 | -- | 2 | 0.002 | -- | 2 | |
| | Acrylonitrile | 0.020 | -- | 2 | 0.030 | -- | 2 | |
| | Alpha-methylstyrene | -- | 0.100 | 3 | 0.040 | -- | 3 | |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ in Atmospheric Air | TSELS, mg/m ³ in Atmospheric Air | Hazard Class | |
|--|------------------------------|-----------|-------------|--------------|---|---|--------------|---|
| | Benzene | -- | 0.010 | 2 | 0.100 | -- | 2 | |
| | Toluene | -- | 0.500 | 4 | 0.600 | -- | 3 | |
| | Ethylbenzene | -- | 0.010 | 4 | 0.020 | -- | 3 | |
| | Benzaldehyde | -- | 0.003 | 4 | 0.040 | -- | 3 | |
| | Xylols (isomer mixture) | 0.010 | -- | 2 | 0.002 | -- | 2 | |
| 1. 2. 4. Copolymer of styrene with methyl methacrylate | Styrene | 0.010 | -- | 2 | 0.002 | -- | 2 | |
| | Methyl methacrylate | 0.250 | -- | 2 | 0.010 | -- | 3 | |
| | Methanol | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| 1. 2. 5. Copolymer of styrene with methyl methacrylate and acrylonitrile | Styrene | 0.010 | -- | 2 | 0.002 | -- | 2 | |
| | Methyl methacrylate | 0.250 | -- | 2 | 0.010 | -- | 3 | |
| | Acrylonitrile | 0.020 | -- | 2 | 0.030 | -- | 2 | |
| | Methanol | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| 1. 2. 6. Copolymer of styrene with alpha-methylstyrene | Styrene | 0.010 | -- | 2 | 0.002 | -- | 2 | |
| | Alpha-methylstyrene | -- | 0.100 | 3 | 0.040 | -- | 3 | |
| | Benzaldehyde | -- | 0.003 | 4 | 0.040 | -- | 3 | |
| | Acetophenone | -- | 0.100 | 3 | 0.003 | -- | 3 | |
| 1. 2. 7. Copolymer of styrene with butadiene | Styrene | 0.010 | -- | 2 | 0.002 | -- | 2 | |
| | Butadiene | -- | 0.050 | 4 | 1.000 | -- | 4 | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 | |
| | <i>Alcohols:</i> | | | | | | | |
| | methyl | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | butyl | 0.500 | -- | 2 | 0.100 | -- | 3 | |
| | Xylols (isomer mixture) | -- | 0.050 | 3 | 0.200 | -- | 3 | |
| | 1. 2. 8. Foamed polystyrenes | Styrene | 0.010 | -- | 2 | 0.002 | -- | 2 |
| Benzene | | -- | 0.010 | 2 | 0.100 | -- | 2 | |
| Toluene | | -- | 0.500 | 4 | 0.600 | -- | 3 | |
| Ethylbenzene | | -- | 0.010 | 4 | 0.020 | -- | 3 | |
| Cumene (isopropylbenzene) | | -- | 0.100 | 3 | 0.014 | -- | 4 | |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ in Atmospheric Air | TSELS, mg/m ³ in Atmospheric Air | Hazard Class |
|---|-----------------------|-------------|-------------|--------------|---|---|--------------|
| | Methanol | 0.200 | -- | 2 | 0.500 | -- | 3 |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 |
| 1.3. Polyvinyl chloride plastics | | | | | | | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 |
| | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 |
| | <i>Alcohols:</i> | | | | | | |
| | methyl | 0.200 | -- | 2 | 0.500 | -- | 3 |
| | propyl | 0.100 | -- | 4 | 0.300 | -- | 3 |
| | isopropyl | 0.100 | -- | 4 | 0.600 | -- | 3 |
| | butyl | 0.500 | -- | 2 | 0.100 | -- | 3 |
| | isobutyl | 0.500 | -- | 2 | 0.100 | -- | 4 |
| | Benzene | -- | 0.010 | 2 | 0.100 | -- | 2 |
| | Toluene | -- | 0.500 | 4 | 0.600 | -- | 3 |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- |
| | Stannum (Sn) | -- | 2.000 | 3 | -- | -- | -- |
| | Dioctylphthalate | 2.000 | -- | 3 | 0.020 | -- | -- |
| | Dibutyl phthalate | Not allowed | | | | | |
| | Vinyl chloride | 0.01 | - | 2 | 0.01 | - | 1 |
| 1.4. Polymers based on vinyl acetate and its derivatives polyvinyl acetate polyvinyl alcohol copolymer dispersion of vinyl acetate with dibutyl maleate | Vinyl acetate | -- | 0.200 | 2 | 0.150 | -- | 3 |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 |
| | Hexane | 0.100 | -- | 4 | -- | -- | -- |
| | Heptane | 0.100 | -- | 4 | -- | -- | -- |
| 1.5. Polyacrylates | Hexane | 0.100 | -- | 4 | -- | -- | -- |
| | Heptane | 0.100 | -- | 4 | -- | -- | -- |
| | Acrylonitrile | 0.020 | -- | 2 | 0.030 | -- | 2 |
| | Methylacrylate | -- | 0.020 | 4 | 0.010 | -- | 4 |
| | Methyl methacrylate | 0.250 | -- | 2 | 0.010 | -- | 3 |
| | Butyl acrylate | -- | 0.010 | 4 | 0.0075 | -- | 2 |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ in Atmospheric Air | TSELS, mg/m ³ in Atmospheric Air | Hazard Class |
|--|-----------------------|-----------|-------------|--------------|---|---|--------------|
| 1.6. Polyorganosiloxane (silicones) | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 |
| | Phenol | 0.050 | -- | 4 | 0.003 | -- | 2 |
| | <i>Alcohols:</i> | | | | | | |
| | methyl | 0.200 | -- | 2 | 0.500 | -- | 3 |
| | butyl | 0.500 | -- | 2 | 0.100 | -- | 3 |
| | Benzene | -- | 0.010 | 2 | 0.100 | -- | 2 |
| 1.7. Polyamides: | | | | | | | |
| 1.7.1. Polyamide 6 (polycapramid, capron) | E-caprolactam | 0.500 | -- | 4 | 0.060 | -- | 3 |
| | Benzene | -- | 0.010 | 2 | 0.100 | -- | 2 |
| | Phenol | 0.050 | -- | 4 | 0.003 | -- | 2 |
| 1.7.2. Polyamide 66 (polyhexamethylene adipamide, nylon) | Hexamethylenediamine | 0.010 | -- | 2 | 0.001 | -- | 2 |
| | Methanol | 0.200 | -- | 2 | 0.500 | -- | 3 |
| | Benzene | -- | 0.010 | 2 | 0.100 | -- | 2 |
| 1.7.3. Polyamide 610 (polyhexamethylene sebacamide) | Hexamethylenediamine | 0.010 | -- | 2 | 0.001 | -- | 2 |
| | Methanol | 0.200 | -- | 2 | 0.500 | -- | 3 |
| | Benzene | -- | 0.010 | 2 | 0.100 | -- | 2 |
| 1.8. Polyurethanes | Ethylene glycol | -- | 1.000 | 3 | 1.000 | -- | -- |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 |
| | Ethyl acetate | 0.100 | -- | 2 | 0.100 | -- | 4 |
| | Butyl acetate | -- | 0.100 | 4 | 0.100 | -- | 4 |
| | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 |
| | <i>Alcohols:</i> | | | | | | |
| | methyl | 0.200 | -- | 2 | 0.500 | -- | 3 |
| | propyl | 0.100 | -- | 4 | 0.300 | -- | 3 |
| | isopropyl | 0.100 | -- | 4 | 0.600 | -- | 3 |
| | Benzene | -- | 0.010 | 2 | 0.100 | -- | 2 |
| | Toluene | -- | 0.500 | 4 | 0.600 | -- | 3 |
| 1.9. Polyethers: | | | | | | | |
| 1.9.1. | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ in Atmospheric Air | TSELS, mg/m ³ in Atmospheric Air | Hazard Class | |
|--|------------------------|-----------|-------------|--------------|---|---|--------------|--|
| Polyethylene oxide | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| 1.9.2. Polypropylene oxide | Methyl acetate | -- | 0.100 | 3 | 0.070 | -- | 4 | |
| | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| 1.9.3. Polytetramethylene oxide | Propyl alcohol | 0.100 | -- | 4 | 0.300 | -- | 3 | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| 1.9.4. Polyphenylene oxide | Phenol | 0.050 | -- | 4 | 0.003 | -- | 2 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Methanol | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| 1.9.5. Polyethylene terephthalate and copolymers on the basis of terephthalic acid | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | Ethylene glycol | -- | 1.000 | 3 | 1.000 | -- | -- | |
| | Dimethyl terephthalate | -- | 1.500 | 4 | 0.010 | -- | -- | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | <i>Alcohols:</i> | | | | | | | |
| | methyl | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | butyl | 0.500 | -- | 2 | 0.100 | -- | 3 | |
| isobutyl | 0.500 | -- | 2 | 0.100 | -- | 4 | | |
| 1.9.6. Polycarbonate | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 | |
| | Phenol | 0.050 | -- | 4 | 0.003 | -- | 2 | |
| | Methylene chloride | -- | 7.500 | 3 | -- | -- | -- | |
| | Chlorobenzene | -- | 0.020 | 3 | 0.100 | -- | 3 | |
| | Benzene | -- | 0.010 | 2 | 0.100 | -- | 2 | |
| 1.9.8. Polyphenylene sulphide | Phenol | 0.050 | -- | 4 | 0.003 | -- | 2 | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | Methanol | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | Dichlorobenzene | -- | 0.002 | 3 | 0.030 | -- | -- | |
| | Borium (B) | 0.500 | -- | 2 | -- | -- | -- | |
| 1.9.9. In case of using as a cohesive element: | | | | | | | | |
| Phenol formaldehyde resins | Phenol | 0.050 | -- | 4 | 0.003 | -- | 2 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| Silicone resin | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ in Atmospheric Air | TSELS, mg/m ³ in Atmospheric Air | Hazard Class | |
|---|-----------------------|-----------|-------------|--------------|---|---|--------------|--|
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | Phenol | 0.050 | -- | 4 | 0.003 | -- | 2 | |
| | <i>Alcohols:</i> | | | | | | | |
| | methyl | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | butyl | 0.500 | -- | 2 | 0.100 | -- | 3 | |
| | Benzene | -- | 0.010 | 2 | 0.100 | -- | 2 | |
| Epoxide resins | Epichlorohydrin | 0.100 | -- | 2 | 0.200 | -- | 2 | |
| | Phenol | 0.050 | -- | 4 | 0.003 | -- | 2 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| 1.10. Fluoroplastic: fluoroplastic-3 fluoroplastic-4, teflon | Fluorine ion | 0.500 | -- | 2 | -- | -- | -- | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Hexane | 0.100 | -- | 4 | -- | -- | -- | |
| | Heptane | 0.100 | -- | 4 | -- | -- | -- | |
| 1.11. Plastics on the basis of phenol aldehyde resins (phenolic resins) | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | Phenol | 0.050 | -- | 4 | 0.003 | -- | 2 | |
| 1.12. Polyformaldehyde | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| 1.13. Aminoplasts (condensed masses carbamido- and melamine formaldehyde) | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| 1.14. Polymer materials on the basis of epoxy resins | Epichlorohydrin | 0.100 | -- | 2 | 0.200 | -- | 2 | |
| | Phenol | 0.050 | -- | 4 | 0.003 | -- | 2 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| 1.15. Ionomeric resins, including resin | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Methanol | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- | |
| 1.16. Cellulose | Ethyl acetate | 0.100 | -- | 2 | 0.100 | -- | 4 | |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ in Atmospheric Air | TSELS, mg/m ³ in Atmospheric Air | Hazard Class | |
|---|-----------------------|-------------|-------------|--------------|---|---|--------------|--|
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Benzene | -- | 0.010 | 2 | 0.100 | -- | 2 | |
| | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 | |
| 1.17. Ether cellulose plastics (etrols) | Ethyl acetate | 0.100 | -- | 2 | 0.100 | -- | 4 | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | <i>Alcohols:</i> | | | | | | | |
| | methyl | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | isobutyl | 0.500 | -- | 2 | 0.100 | -- | 4 | |
| | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 | |
| | | | | | | | | |
| 1.18. Collagen (biopolymer) | Formaldehyde** | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | Ethyl acetate | 0.100 | -- | 2 | 0.100 | -- | 4 | |
| | Butyl acetate | -- | 0.100 | 4 | 0.100 | -- | 4 | |
| | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 | |
| | <i>Alcohols:</i> | | | | | | | |
| | methyl | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | propyl | 0.100 | -- | 4 | 0.300 | -- | 3 | |
| | isopropyl | 0.100 | -- | 4 | 0.600 | -- | 3 | |
| | butyl | 0.500 | -- | 2 | 0.100 | -- | 3 | |
| | isobutyl | 0.500 | -- | 2 | 0.100 | -- | 4 | |
| 2. Paraffins and Waxes | | | | | | | | |
| 2.1. Paraffins and waxes | Hexane | 0.100 | -- | 4 | -- | -- | -- | |
| | Heptane | 0.100 | -- | 4 | -- | -- | -- | |
| | Benz(a)pyrene | Not allowed | | 1 | Not allowed | | | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 | |
| <i>Alcohols:</i> | | | | | | | | |
| | methyl | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | butyl | 0.500 | -- | 2 | 0.100 | -- | 3 | |
| | Toluene | -- | 0.500 | 4 | 0.600 | -- | 3 | |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ | TSEs, mg/m ³ | Hazard Class | |
|--|-----------------------|---------------------------|-------------|--------------|----------------------------|-------------------------|--------------|--|
| 3. Paper, Paperboard, Parchment, Imitation Parchment | | | | | | | | |
| 3.1. Paper | Ethyl acetate | 0.100 | -- | 2 | 0.100 | -- | 4 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 | |
| | | | | | | | | |
| | | | | | | | | |
| | <i>Alcohols:</i> | | | | | | | |
| | methyl | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | butyl | 0.500 | -- | 2 | 0.100 | -- | 3 | |
| | Toluene | -- | 0.500 | 4 | 0.600 | -- | 3 | |
| Benzene | -- | 0.010 | 2 | 0.100 | -- | 2 | | |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- | |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- | |
| | Arsenic (As) | 0.050 | | 2 | | | | |
| | Chrome (Cr 3+) | cumulative ly 0.100 | -- | 3 | -- | -- | -- | |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- | |
| 3.2. Paraffin paper, in addition to the indicators specified for paper, it is necessary to determine | Hexane | 0.100 | -- | 4 | -- | -- | -- | |
| | Heptane | 0.100 | -- | 4 | -- | -- | -- | |
| | Benz(a)pyrene | Not allowed | | | | | | |
| 3.3. Paperboard | Ethyl acetate | 0.100 | -- | 2 | 0.100 | -- | 4 | |
| | Butyl acetate | -- | 0.100 | 4 | 0.100 | -- | 4 | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 | |
| | <i>Alcohols:</i> | | | | | | | |
| | methyl | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | isopropyl | 0.100 | -- | 4 | 0.600 | -- | 3 | |
| | butyl | 0.500 | -- | 2 | 0.100 | -- | 3 | |
| | isobutyl | 0.500 | -- | 2 | 0.100 | -- | 4 | |
| | Benzene | -- | 0.010 | 2 | 0.100 | -- | 2 | |
| Toluene | -- | 0.500 | 4 | 0.600 | -- | 3 | | |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ | TSELS, mg/m ³ | Hazard Class | |
|--|-------------------------|-----------------------|-------------|--------------|----------------------------|--------------------------|--------------|--|
| | Xylols (isomer mixture) | -- | 0.050 | 3 | 0.200 | -- | 3 | |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- | |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- | |
| | Arsenic (As) | 0.050 | -- | 2 | -- | -- | -- | |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- | |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- | |
| Coated paperboard to be additionally defined | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- | |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- | |
| | Barium (Ba) | 0.100 | -- | 2 | -- | -- | -- | |
| 3.4. Chipboard** | Butyl acetate | -- | 0.100 | 4 | 0.100 | -- | 4 | |
| | Ethyl acetate | 0.100 | -- | 2 | 0.100 | -- | 4 | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | <i>Alcohols:</i> | | | | | | | |
| | methyl | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | butyl | 0.500 | -- | 2 | 0.100 | -- | 3 | |
| | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Benzene | -- | 0.010 | 2 | 0.100 | -- | 2 | |
| | Toluene | -- | 0.500 | 4 | 0.600 | -- | 3 | |
| | Xylols (isomer mixture) | -- | 0.050 | 3 | 0.200 | -- | 3 | |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- | |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- | |
| | Arsenic (As) | 0.050 | -- | 2 | -- | -- | -- | |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- | |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- | |
| | Cadmium (Cd) | 0.001 | -- | 2 | -- | -- | -- | |
| | Barium (Ba) | 0.100 | -- | 2 | -- | -- | -- | |
| 3.5. Filtered paperboard | Ethyl acetate | 0.100 | -- | 2 | 0.100 | -- | 4 | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | Methanol | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- | |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- | |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ | TSELS, mg/m ³ | Hazard Class | |
|---|-----------------------|---------------------------|-----------------------|--------------|----------------------------|--------------------------|--------------|----|
| | Arsenic (As) | 0.050 | -- | 2 | -- | -- | -- | |
| | Chrome (Cr 3+) | cumulative ly 0.100 | -- | 3 | -- | -- | -- | |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- | |
| with addition of polyamide-epichlorohydrin resins | E-caprolactam | 0.500 | -- | 4 | 0.060 | -- | 3 | |
| | Phenol | 0.050 | -- | 4 | 0.003 | -- | 2 | |
| | Epichlorohydrin | 0.100 | -- | 2 | 0.200 | -- | 2 | |
| with addition of fine dispersed aluminium | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- | |
| with addition of diatomite | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- | |
| | Silicium (Si) | -- | 10.000 | 2 | -- | -- | -- | |
| | Iron (Fe) | 0.300 | | | | | | |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- | |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- | |
| | Beryllium (Be) | 0.0002 | -- | 1 | -- | -- | -- | |
| | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- | |
| 3.6. Vegetable parchment | Ethyl acetate | 0.100 | -- | 2 | 0.100 | -- | 4 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | <i>Alcohols:</i> | | | | | | | |
| | Methyl | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | propyl | 0.100 | -- | 4 | 0.300 | -- | 3 | |
| | isopropyl | 0.100 | -- | 4 | 0.600 | -- | 3 | |
| | butyl | 0.500 | -- | 2 | 0.100 | -- | 3 | |
| | isobutyl | 0.500 | -- | 2 | 0.100 | -- | 4 | |
| | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 | |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- | |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- | |
| | Arsenic (As) | 0.050 | -- | 2 | -- | -- | -- | |
| | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- | |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- | |
| | | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| Chrome (Cr 6+) | | -- | | 3 | -- | -- | -- | |
| 3.7. Imitation | Ethyl acetate | 0.100 | -- | 2 | 0.100 | -- | 4 | |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ | TSELS, mg/m ³ | Hazard Class | |
|---|-----------------------|-----------------------|-------------|--------------|----------------------------|--------------------------|--------------|--|
| parchment (paper with additive agents imitating vegetable parchment properties) | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | Phenol | 0.050 | -- | 4 | 0.003 | -- | 2 | |
| | Epichlorohydrin | 0.100 | -- | 2 | 0.200 | -- | 2 | |
| | E-caprolactam | 0.500 | -- | 4 | 0.060 | -- | 3 | |
| | <i>Alcohols:</i> | | | | | | | |
| | Methyl | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | propyl | 0.100 | -- | 4 | 0.300 | -- | 3 | |
| | isopropyl | 0.100 | -- | 4 | 0.600 | -- | 3 | |
| | butyl | 0.500 | -- | 2 | 0.100 | -- | 3 | |
| | isobutyl | 0.500 | -- | 2 | 0.100 | -- | 4 | |
| | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 | |
| | Benzene | -- | 0.010 | 2 | 0.100 | -- | 2 | |
| | Toluene | -- | 0.500 | 4 | 0.600 | -- | 3 | |
| Xylols (isomer mixture) | -- | 0.050 | 3 | 0.200 | -- | 3 | | |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- | |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- | |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- | |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- | |
| | Arsenic (As) | 0.050 | -- | 2 | -- | -- | -- | |
| | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- | |
| | Cadmium (Cd) | 0.001 | -- | 2 | -- | -- | -- | |
| 4. Glass and Glass Articles****) | | | | | | | | |
| 4.1. Glass containers for food products | | | | | | | | |
| - colourless and semi-white glasses | Boron (B) | 0.500 | -- | 2 | -- | -- | -- | |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- | |
| | Arsenic (As) | 0.050 | -- | 2 | -- | -- | -- | |
| - green glasses | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- | |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- | |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- | |
| | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- | |
| | Boron (B) | 0.500 | -- | 2 | -- | -- | -- | |
| - brown glasses | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- | |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- | |
| | Boron (B) | 0.500 | -- | 2 | -- | -- | -- | |
| - crystal glass | Lead (Pb) | ****) | -- | 2 | -- | -- | -- | |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- | |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ | TSELS, mg/m ³ | Hazard Class |
|---|-----------------------|-----------------------|-------------|--------------|----------------------------|--------------------------|--------------|
| | Boron (B) | 0.500 | -- | 2 | -- | -- | -- |
| | Cadmium (Cd) | ****) | -- | 2 | -- | -- | -- |
| in addition when assessing barium crystal glass | Barium (Ba) | 0.100 | -- | 2 | -- | -- | -- |
| In addition when dyeing: | | | | | | | |
| - blue | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| - dark blue | Cobalt (Co) | 0.100 | -- | 2 | -- | -- | -- |
| - red | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| - yellow | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Cadmium (Cd) | ****) | -- | 2 | -- | -- | -- |
| | Barium (Ba) | 0.100 | -- | 2 | -- | -- | -- |
| 4.2. Glass articles with decorative finish | | | | | | | |
| - titanium, titanium nitride, titanium dioxide | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| | Boron (B) | 0.500 | -- | 2 | -- | -- | -- |
| - zirconium, zirconium nitride, zirconium dioxide | Boron (B) | 0.500 | -- | 2 | -- | -- | -- |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| - chrome | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Silicium (Si) | -- | 10.000 | 2 | -- | -- | -- |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| | Boron (B) | 0.500 | -- | 2 | -- | -- | -- |
| 5. Ceramics ****) | | | | | | | |
| 5.1. Ceramic articles | Boron (B) | 0.500 | -- | 2 | -- | -- | -- |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- |
| | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| | Cadmium (Cd) | ****) | -- | 2 | -- | -- | -- |
| | Barium (Ba) | 0.100 | -- | 2 | -- | -- | -- |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ | TSELS, mg/m ³ | Hazard Class |
|--|-----------------------|-----------------------|-------------|--------------|----------------------------|--------------------------|--------------|
| - when using lead glaze | Lead (Pb) | ****) | -- | 2 | -- | -- | -- |
| - when using selenium-cadmium glaze | Cadmium (Cd) | ****) | -- | 2 | -- | -- | -- |
| - when using barytic glaze | Barium (Ba) | 0.100 | -- | 2 | -- | -- | -- |
| - when using colouring agents providing pink-brown shades and black colour | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| - when using green and black colouring agents | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| - when using dark blue colouring agents | Cobalt (Co) | 0.100 | -- | 2 | -- | -- | -- |
| - when using yellow colouring agents | Cadmium (Cd) | **** | -- | 2 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| 6. Porcelain and Faience Articles****) | | | | | | | |
| 6.1. Porcelain and Faience articles with underglaze painting | Lead (Pb) | **** | -- | 2 | -- | -- | -- |
| | Cadmium (Cd) | **** | -- | 2 | -- | -- | -- |
| When cobalt oxide is added to the mass it is required to determine additionally: | Cobalt (Co) | 0.100 | -- | 2 | -- | -- | -- |
| - when using lead free glaze | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| | Boron (B) | 0.500 | -- | 2 | -- | -- | -- |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- |
| | Lithium (Li) | -- | 0.030 | 2 | -- | -- | -- |
| - when using barytic glaze | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| | Barium (Ba) | 0.100 | -- | 2 | -- | -- | -- |
| | Boron (B) | 0.500 | -- | 2 | -- | -- | -- |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ | TSELS, mg/m ³ | Hazard Class | |
|--|---|-----------------------|-------------|--------------|----------------------------|--------------------------|--------------|--|
| When using coloured glaze: | | | | | | | | |
| - pink | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- | |
| - blue | Cobalt (Co) | 0.100 | -- | 2 | -- | -- | -- | |
| | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- | |
| - yellow | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- | |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- | |
| | Cadmium (Cd) | **** | -- | 2 | -- | -- | -- | |
| 6.2. Porcelain and faience articles with underglaze painting | Additionally controlled indicators shall be determined by the paint composition | | | | | | | |
| 7. Steel Enamelware | | | | | | | | |
| 7.1. Steel enamelware produced with the use of silicate enamel (ferrits) | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- | |
| | Boron (B) | 0.500 | -- | 2 | -- | -- | -- | |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- | |
| | Cobalt (Co) | 0.100 | -- | 2 | -- | -- | -- | |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- | |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- | |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- | |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- | |
| 7.2. Steel enamelware produced with the use of titanium enamel | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- | |
| | Boron (B) | 0.500 | -- | 2 | -- | -- | -- | |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- | |
| | Cobalt (Co) | 0.100 | -- | 2 | -- | -- | -- | |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- | |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- | |
| | Arsenic (As) | 0.050 | -- | 2 | -- | -- | -- | |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- | |
| | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- | |
| 8. Non-Stick Cookware | | | | | | | | |
| 8.1. Non-stick cookware on the basis of fluoroplastic | Fluoride ion (cumulatively) | 0.500 | -- | 2 | -- | -- | -- | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | <i>Alcohols:</i> | | | | | | | |
| | methyl | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | propyl | 0.100 | -- | 4 | 0.300 | -- | 3 | |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ | TSELS, mg/m ³ | Hazard Class | |
|---|-------------------------|-----------------------|-------------|--------------|----------------------------|--------------------------|--------------|--|
| | isopropyl | 0.100 | -- | 4 | 0.600 | -- | 3 | |
| | butyl | 0.500 | -- | 2 | 0.100 | -- | 3 | |
| | isobutyl | 0.500 | -- | 2 | 0.100 | -- | 4 | |
| | Xylols (isomer mixture) | -- | 0.050 | 3 | 0.200 | -- | 3 | |
| Non-stick coating: | | | | | | | | |
| - grey colour | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- | |
| - dark blue colour | Cobalt (Co) | 0.100 | -- | 2 | -- | -- | -- | |
| - brown colour | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- | |
| - green colour | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- | |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- | |
| - pink colour | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- | |
| When applying the coating to carbon and low-alloyed steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- | |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- | |
| When applying the coating to aluminium and aluminium alloys | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- | |
| | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- | |
| 9. Lacquered Cans | | | | | | | | |
| 9.1. Cans lacquered with epoxy phenolic varnish | Epichlorohydrin | 0.100 | -- | 2 | 0.200 | -- | 2 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Phenol | 0.050 | -- | 4 | 0.003 | -- | 2 | |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- | |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- | |
| | Xylols (isomer mixture) | -- | 0.050 | 3 | 0.200 | -- | 3 | |
| | <i>Alcohols:</i> | | | | | | | |
| | methyle | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | propyl | 0.100 | -- | 4 | 0.300 | -- | 3 | |
| | butyl | 0.500 | -- | 2 | 0.100 | -- | 3 | |
| | isobutyl | 0.500 | -- | 2 | 0.100 | -- | 4 | |
| | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 | |
| | Ethylbenzene | -- | 0.010 | 4 | 0.020 | -- | 3 | |
| 9.2. Cans lacquered with phenolic oil varnish | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Phenol | 0.050 | -- | 4 | 0.003 | -- | 2 | |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- | |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ | TSELS, mg/m ³ | Hazard Class | |
|---|-----------------------------|-----------|-------------|--------------|----------------------------|--------------------------|--------------|----|
| 9.3. Cans coated with protein resistant enamel, containing zinc paste | Epichlorohydrin | 0.100 | -- | 2 | 0.200 | -- | 2 | |
| | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- | |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- | |
| 9.4. Cans with vinylorgansolic coating | Formaldehyde | 0.100 | -- | 2 | 0.003* | -- | 2 | |
| | Acetaldehyde | -- | 0.200 | 4 | 0.010 | -- | 3 | |
| | Phenol | 0.050 | -- | 4 | 0.003 | -- | 2 | |
| | Acetone | 0.100 | -- | 3 | 0.350 | -- | 4 | |
| | Vinyl acetate | -- | 0.200 | 2 | 0.150 | -- | 3 | |
| | Vinyl chloride | 0.010 | -- | 2 | 0.010 | -- | 1 | |
| | <i>Alcohols:</i> | | | | | | | |
| | methyl | 0.200 | -- | 2 | 0.500 | -- | 3 | |
| | isopropyl | 0.100 | -- | 4 | 0.600 | -- | 3 | |
| | butyl | 0.500 | -- | 2 | 0.100 | -- | 3 | |
| | isobutyl | 0.500 | -- | 2 | 0.100 | -- | 4 | |
| | Xylols (isomer mixture) | -- | 0.050 | 3 | 0.200 | -- | 3 | |
| | | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- |
| | To be additionally defined: | | | | | | | |
| - when pigmenting varnish with aluminium powder | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- | |
| - when producing cans from aluminium and aluminium alloys | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- | |
| 10. Filter Inorganic Materials | | | | | | | | |
| 10.1. Diatomaceous earth | Silicium (Si) | -- | 10.000 | 2 | -- | -- | -- | |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- | |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- | |
| | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- | |
| 10.2. Perlite | Silicium (Si) | -- | 10.000 | 2 | -- | -- | -- | |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- | |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- | |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- | |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ | TSELS, mg/m ³ | Hazard Class |
|---------------------------|-----------------------|-----------------------|-------------|--------------|----------------------------|--------------------------|--------------|
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Arsenic (As) | 0.050 | -- | 2 | -- | -- | -- |
| | Cadmium (Cd) | 0.001 | -- | 2 | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- |
| 11. Metals, Alloys | | | | | | | |
| 11.1. Cast iron | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| 11.2. Carbon steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| 11.3. Low-alloyed steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| 11.4. Fine carbon steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| 11.5. Chromium steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ | TSELS, mg/m ³ | Hazard Class |
|--|-----------------------|-----------------------|-------------|--------------|----------------------------|--------------------------|--------------|
| 11.6. Chromium-silicon steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Silicium (Si) | -- | 10.000 | 2 | -- | -- | -- |
| 11.7. Chromium-vanadium steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| 11.8. Chromium-nickel steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| 11.9. Chromium-manganese steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| 11.10. Chromium-manganese-titanium steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- |
| 11.11. Silicon-manganese- and chromium-silicon-manganese steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Silicium (Si) | -- | 10.00 | 2 | -- | -- | -- |
| 11.12. | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ | TSELS, mg/m ³ | Hazard Class |
|--|-----------------------|-----------------------|-------------|--------------|----------------------------|--------------------------|--------------|
| Chromium-molybdenum steel | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Molybdenum (Mo) | 0.250 | -- | 2 | -- | -- | -- |
| 11.13. Chromium-nickel-tungsten and chromium-nickel-molybdenum steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Tungsten (W) | 0.050 | -- | 2 | -- | -- | -- |
| | Molybdenum (Mo) | 0.250 | -- | 2 | -- | -- | -- |
| 11.14. Chromium-molybdenum-aluminium and chromium-aluminium steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| | Molybdenum (Mo) | 0.250 | -- | 2 | -- | -- | -- |
| 11.15. Chromium-nickel-tungsten-vanadium steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Vanadium (V) | 0.100 | -- | 3 | -- | -- | -- |
| | Tungsten (W) | 0.050 | -- | 2 | -- | -- | -- |
| 11.16. Fine spring-elastic hot-rolled steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| 11.17. Corrosion- | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ | TSELS, mg/m ³ | Hazard Class |
|---|-----------------------|---------------------|-------------|--------------|----------------------------|--------------------------|--------------|
| resistant and heat-resistant steel | Chrome (Cr 3+) | cumulative 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| 11.18. Low-alloyed heat-resistant pearlitic steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulative 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Molybdenum (Mo) | 0.250 | -- | 2 | -- | -- | -- |
| | Vanadium (V) | 0.100 | -- | 3 | -- | -- | -- |
| | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| 11.19. Heat-resistant martensitic and martensitic-ferrite steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulative 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Molybdenum (Mo) | 0.250 | -- | 2 | -- | -- | -- |
| | Vanadium (V) | 0.100 | -- | 3 | -- | -- | -- |
| | Tungsten (W) | 0.050 | -- | 2 | -- | -- | -- |
| 11.20. Heat-resistant austenitic steel | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulative 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Molybdenum (Mo) | 0.250 | -- | 2 | -- | -- | -- |
| | Tungsten (W) | 0.050 | -- | 2 | -- | -- | -- |
| | Columbium (Nb) | -- | 0.010 | 2 | -- | -- | -- |
| | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- |
| 11.21. Iron-nickel based alloys | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumul | -- | 3 | -- | -- | -- |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ | TSELS, mg/m ³ | Hazard Class |
|---|-----------------------|------------------|-------------|--------------|----------------------------|--------------------------|--------------|
| | Chrome (Cr 6+) | atively 0.100 | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Tungsten (W) | 0.050 | -- | 2 | -- | -- | -- |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- |
| 11.22. Nickel based alloys | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | atively 0.100 | -- | 3 | -- | -- | -- |
| | Tungsten (W) | 0.050 | -- | 2 | -- | -- | -- |
| | Molybdenum (Mo) | 0.250 | -- | 2 | -- | -- | -- |
| | Columbium (Nb) | -- | 0.010 | 2 | -- | -- | -- |
| | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| 11.23. Copper | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| | Antimony (Sb) | -- | 0.050 | 2 | -- | -- | -- |
| | Arsenic (As) | 0.050 | -- | 2 | -- | -- | -- |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- |
| 11.24. Brass (alloy of copper and zinc) simple, wrought | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- |
| - special | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| | Stannum (Sn) | -- | 2.000 | 3 | -- | -- | -- |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| - casting | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ | TSELS, mg/m ³ | Hazard Class |
|-----------------------------|-----------------------|-------------|-------------|--------------|----------------------------|--------------------------|--------------|
| | Silicium (Si) | -- | 10.000 | 2 | -- | -- | -- |
| | Stannum (Sn) | -- | 2.000 | 3 | -- | -- | -- |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- |
| - secondary | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Silicium (Si) | -- | 10.000 | 2 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Stannum (Sn) | -- | 2.000 | 3 | -- | -- | -- |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- |
| | 11.25. Tin bronze | Copper (Cu) | 1.000 | -- | 3 | -- | -- |
| Zinc (Zn) | | 1.000 | -- | 3 | -- | -- | -- |
| Nickel (Ni) | | 0.100 | -- | 3 | -- | -- | -- |
| Stannum (Sn) | | -- | 2.000 | 3 | -- | -- | -- |
| Lead (Pb) | | 0.030 | -- | 2 | -- | -- | -- |
| - tinless | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- |
| | Beryllium (Be) | 0.000 | -- | 1 | -- | -- | -- |
| 11.26. Copper-nickel alloys | | | | | | | |
| - melchior | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| - nickel silver | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| - lead nickel silver | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- |
| 11.27. Nickel alloys | | | | | | | |
| - silicate nickel | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Silicium (Si) | -- | 10.000 | 2 | -- | -- | -- |
| - manganese nickel | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ | TSELS, mg/m ³ | Hazard Class |
|-----------------------------|-----------------------|-----------------------|-------------|--------------|----------------------------|--------------------------|--------------|
| - alumel | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Silicium (Si) | -- | 10.000 | 2 | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| - chromel | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0,100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| - monel | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| - nichrome | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.10 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- |
| - ferronichrome | Nickel (Ni) | 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| 11.28. Solder | | | | | | | |
| -tin-lead | Tin (Sn) | -- | 2.000 | 3 | -- | -- | -- |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- |
| - lead-silver | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- |
| | Cadmium (Cd) | 0.001 | -- | 2 | -- | -- | -- |
| | Silver (Ag) | -- | 0.050 | 2 | -- | -- | -- |
| 11.29. Zinc and zinc alloys | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- |
| | Lead (Pb) | 0.030 | -- | 2 | -- | -- | -- |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Cadmium (Cd) | 0.001 | -- | 2 | -- | -- | -- |
| | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| 11.30. Primary aluminium | | | | | | | |
| - of special purity | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| - of high purity | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Silicium (Si) | -- | 10.000 | 2 | -- | -- | -- |
| | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| - of technical | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |

| Name of Material, Article | Controlled Indicators | AML, mg/l | MAC w, mg/l | Hazard Class | MACd.a., mg/m ³ | TSELS, mg/m ³ | Hazard Class |
|---------------------------|-----------------------|-----------------------|-------------|--------------|----------------------------|--------------------------|--------------|
| purity | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Silicium (Si) | -- | 10.000 | 2 | -- | -- | -- |
| | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- |
| | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- |
| 11.31. Aluminium alloys | | | | | | | |
| - wrought | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- |
| | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- |
| | Vanadium (V) | 0.100 | -- | 3 | -- | -- | -- |
| - casting | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| | Copper (Cu) | 1.000 | -- | 3 | -- | -- | -- |
| | Silicium (Si) | -- | 10.000 | 2 | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Zinc (Zn) | 1.000 | -- | 3 | -- | -- | -- |
| | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- |
| 11.32. Technical titanium | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |
| | Silicium (Si) | -- | 10.000 | 2 | -- | -- | -- |
| 11.33. Titanium alloys | Titanium (Ti) | 0.100 | -- | 3 | -- | -- | -- |
| | Aluminium (Al) | 0.500 | -- | 2 | -- | -- | -- |
| | Chrome (Cr 3+) | cumulatively 0.100 | -- | 3 | -- | -- | -- |
| | Chrome (Cr 6+) | | -- | 3 | -- | -- | -- |
| | Molybdenum (Mo) | 0.250 | -- | 2 | -- | -- | -- |
| | Manganese (Mn) | 0.100 | -- | 3 | -- | -- | -- |
| | Vanadium (V) | 0.100 | -- | 3 | -- | -- | -- |
| | Iron (Fe) | 0.300 | -- | -- | -- | -- | -- |

*) standard is specified without regard to background ambient air pollution

**) for all types of artificial protein coatings the total quantity of aldehydes (including formaldehyde) AML value is 0.8 mg/l.

***) Paper and paperboard containing paper waste may be used only for packaging of food products with humidity of not more than 15%.

****) AML value for lead and cadmium for glass and glass articles, ceramics, faience and porcelain articles are specified in Table 3.

Table 3

Hygienic Standards for Lead and Cadmium Evolving from Glass and Glass Articles, Ceramics, Faience and Porcelain Articles Coming into Contact with Food Products

| Dishware Type | Controlled Indicators | Measurement Units | AML |
|-------------------------------------|------------------------------|--------------------------|------------|
| Flat | cadmium | mg/dm ² | 0.07 |
| | lead | mg/dm ² | 0.8 |
| Small deep | cadmium | mg/l | 0.5 |
| | lead | mg/l | 2.0 |
| Large deep | cadmium | mg/l | 0.25 |
| | lead | mg/l | 1.0 |
| Deep, for keeping | cadmium | mg/l | 0.25 |
| | lead | mg/l | 0.5 |
| Cups and mugs | cadmium | mg/l | 0.05 |
| | lead | mg/l | 0.5 |
| For heat treatment of food products | cadmium | mg/l | 0.05 |
| | lead | mg/l | 0.5 |

Table 4

Organoleptic Indicators of Aqueous Extracts Found out in the Course of Examination of Materials and Articles Intended to Come into Contact with Food Products with Humidity of More than 15%.

| Controlled Indicators | Standard |
|------------------------------|-----------------|
| Smell (scores) | Not more than 1 |
| Aftertaste | Not allowed |
| Turbidity | Not allowed |
| Sediment | Not allowed |

Table 5

Organoleptic Indicators Found out in the Course of Examination of Materials and Articles Intended to Come into Contact with Food Products with Humidity of not More than 15%.

| Controlled Indicators | Standard |
|------------------------------|-----------------|
| Smell (scores) | Not allowed |
| Taste | Not allowed |
| Colour | Not allowed |