EURASIAN ECONOMIC COMMISSION

COMMISSION BOARD

D E C I S I O N

October 18, 2016 No. **113** Moscow

On the Technical Regulation of the Eurasian Economic Union 'On Limitations for Applying Hazardous Substances in Electrical and Radioelectronics Items'

In accordance with article 52 of the Agreement on the Eurasian economic Union dated May 29, 2014, and section 29 of Appendix No. 1 to the Operation Regulation of Eurasian Economic Commission approved by the Decision of the Supreme Eurasian Economic Council dated December 23, 2014 No. 98, the Council of Eurasian Economic Commission decided as follows:

1. To adopt the attached Technical Regulation of the Eurasian Economic Union 'On Limitations for Applying Hazardous Substances in Electrical and Radioelectronics Items' (EAEU TR 037/2016).

2. To establish that the Technical Regulation of the Eurasian Economic Union 'On Limitations for Applying Hazardous Substances in Electrical and Radioelectronics Items' (EAEU TR 037/2016) shall enter into force since March 01, 2018.

3. This Decision shall enter into force upon expiry of 30 calendar days from the date of its official publication.

Members of the Council of the Eurasian Economic Commission:

From the Republic From the Republic From the Republic From the Kyrgyz

of Armenia	**of Belarus**	**of Kazakhstan**	**Republic**
Seal: EURASIAN ECONOMIC COMMISSION for documents	Seal: EURASIAN ECONOMIC COMMISSION for documents	Seal: EURASIAN ECONOMIC COMMISSION for documents	Seal: EURASIAN ECONOMIC COMMISSION for documents
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ADOPTED BY
Decision of the Council of the
Eurasian Economic Commission
dated October 18, 2016 No. 113

TECHNICAL REGULATION
of the Eurasian Economic Commission 'On Limitations for Applying Hazardous Substances in Electrical and Radioelectronics Items' EAEU TR 037/2016).

I. Scope:

1. This technical regulation is developed in accordance with the Agreement on the Eurasian Economic Union dated May 29, 2014 in order to ensure the protection of human life and health, the environment, as well as to prevent actions misleading consumers (users) of electrical and radioelectronics products regarding the content of hazardous substances in them.

This technical regulation establishes mandatory requirements for application and execution on the territory of the Eurasian Economic Union (hereinafter the Union) to limit the use of hazardous substances in electrical and radioelectronic products released into circulation on the territory of the Union, to ensure their free movement.

If other technical regulations of the Union (Customs Union) establishing requirements to these products are adopted in respect of electrical engineering and radioelectronics products must comply with the requirements of all technical regulations of the Union (Customs Union), the effect of which extends to them.

2. The effect of this technical regulation applies to the products of electrical engineering and radioelectronics produced in circulation in the territory of the Union according to the list according to Appendix No. 1.

3. This technical regulation shall not apply to:

a) products of electrical engineering and radioelectronics intended for use at rated voltage more than 1000 V AC and 1500 V DC, unless otherwise provided

by Appendx No. 1 to this technical regulation;

b) products of electrical engineering and radioelectronics intended exclusively for use as components of electrical equipment not included in the list provided for in the list provided for in Appendix No. 1 to this technical regulation;

c) electrical toys;

d) photovoltaic panels (solar panels), which are part of electrical and electronic products;

e) products of electrical engineering and radioelectronics intended for use in the composition of ground and orbital space objects;

f) electrical equipment designed exclusively for use in air, water, land and underground transport;

g) electric batteries and accumulators including issued in circulation in the territory of the Union as a part of products of electrical engineering and radioelectronics;

h) products of electrical engineering and radioelectronics was in use (operation);

i) measuring instruments;

j) medical devices.

II. Basic concepts

4. For the purposes of application of this technical regulation the concepts which mean the following are used:

"toy" means a product or material intended for play by a baby (children) under 14 years of age;

"electric toy" - a toy that has at least one function is carried out at the expense of electrical energy;

"products of electrical engineering and radio electronics" - products, the functioning of which is due to the presence, use, production, conversion,

transmission and distribution of electric currents and (or) electromagnetic fields, which are intended for direct use or built into machines, mechanisms, apparatus, devices and other equipment;

"importer" - a resident of a member state of the Union who has concluded a foreign trade agreement with a non - resident of a member state of the Union for the transfer of electrical and electronic products, sells these products and is responsible for their compliance with the requirements of this technical regulation;

"uniform (homogeneous) material" is a material with a constant composition in its entire volume, consisting of a single substance or a combination of substances and (or) materials that cannot be separated mechanically (by disassembly, cutting, disintegration, or other mechanical action).

III. Rules of circulation of electrical and electronic products in the market of the Union

5. A product of electrical and electronic engineering is released into circulation on the territory of the Union in its compliance with this technical regulation and other technical regulations of the Union (Customs Union), the action of which it is subject, and provided that it has passed the confirmation of conformity according to section VII of this technical regulation, as well as other technical regulations of the Union (Customs Union), the action of which it is subject.

6. A product of electrical and electronic engineering which compliance with the requirements of this technical regulation, as well as the requirements of other technical regulations of the Union (Customs Union) is not confirmed, shall not be marked with a single mark of circulation of products in the market of the Union.

IV. Requirements on limitations for applying hazardous substances

7. A product of electrical and electronic engineering shall be developed and produced so as to prevent content of the following:

a) hazardous substances according to the list according to Appendix No. 2;

b) uniform (homogeneous) materials containing hazardous substances in concentrations exceeding the permissible level specified in the list provided for in Appendix No. 2 to

this technical regulation.

8. Special requirements for the restriction of the use of hazardous substances according to Appendix No.3 are established for electrical and radioelectronic products.

V. Requirements for marking and operating documents

9. The name and (or) marking of electrical engineering and electronics products (type, brand, model (if any)), its basic parameters and characteristics, the name and (or) the trademark of the manufacturer, the name of the state in which the electrical engineering and electronics product must be applied on the product and specified in the annexed operational documents.

In this case, the name and (or) designation of electrical engineering and electronics product (type, brand, model (if available)), the name and (or) trademark of the manufacturer must also be applied to the packaging.

10. If the information provided for in section 9 of this technical regulation is impossible to apply electrical engineering and radio electronics product, they can be specified only in the attached operating documents to this product. In this case, the name and (or) designation of electrical engineering and electronics product (type, brand, model (if available)), the name and (or) trademark of the

manufacturer also be applied to the packaging.

11. Labeling of electrical engineering and radio electronics product shall be legible, easy-to-interpret, and shall be applied to the electrical and electronic product in a place accessible for inspection without disassembly with the use of a tool.

12. Operational documents to the electrical engineering and radio electronics product must contain:

a) information specified under section 9 of this technical regulation;

b) information about the purpose of the product;

c) characteristics and parameters of the product;

d) terms and conditions of operation(use), installation, storage, transportation(transportation), sale and disposal of the product (if necessary - the relevant requirements);

e) information on measures to be taken when a product malfunction is detected;

f) name and location of the manufacturer (the person authorized by the manufacturer), the importer, their contact details;

g) information about the month and year of manufacture of the product and (or) the place of application of such information or the method of determining the year of manufacture.

13. Marking and drawing up of operational documents shall be carried out in Russian and in the presence of relevant requirements in the legislation of the member States of the Union (hereinafter - the member States) - in the state language (state languages) of the member state in whose territory the products are sold. Units of measurement, alphabetic trademarks, proper names, names of settlements and other names and details in the marking and operating documents may be given in other languages.

Operational documents are issued on paper. They may be attached with set

of operational documents on electronic media. Operational documents included in the set of electrical and radio electronics products not for household purposes can be issued only on electronic media.

VI. Ensuring compliance of electrical and electronic products with the requirements of technical regulations

14. Compliance of electrical and radio electronics products with this technical regulation is ensured by the fulfillment of its requirements to limit the use of hazardous substances.

15. Methods of research (tests) and measurements of electrical and radio electronics products shall be established by standards included in the list of standards containing rules and methods of research (tests) and measurements, including the rules of sampling, necessary for the application and execution of the requirements of this technical regulation and the implementation of conformity assessment of products.

VII. Conformity assessment of electrical and electronic products

16. Conformity assessment of electrical and electronic products is carried out in the form of confirmation of compliance.

17. When confirming compliance of electrical and electronic products, applicants may be a legal entity or an individual registered in the territory of a member state in accordance with its legislation as an individual entrepreneur, who are manufacturers or importers (sellers) or persons authorized by the manufacturer.

18. Electrical engineering and radio electronics products are subject to confirmation of conformity in the form of Declaration of conformity according to one of the following schemes:

a) for mass-produced items - 1d, 3d and 6d;

b) for product batch - schemes 2d, and 4d.

19. When declaring electrical engineering and radioelectronics products, applicant can be:

a) for schemes 1d, 3d, and 6d - manufacturer (a person authorized by the manufacturer);

b) for schemes 2d, and 4d - manufacturer (a person authorized by the manufacturer) or importer (seller).

20. Selection of scheme for declaring electrical engineering and radioelectronics products,shall be performed by the applicant.

21. Declaration of conformity of electrical engineering and radioelectronics according to schemes 1d and 2d is carried out by the applicant on the basis of own proofs. Tests of samples of electrical engineering and radioelectronics at the choice of the applicant are carried out in the testing laboratory of the applicant, or in the accredited testing laboratory (center) included in the Unified register of certification bodies and testing laboratories (centers) of the Customs Union (hereinafter - the Unified register), or in another testing laboratory.

Declaration of conformity of electrical engineering and radioelectronics products according to schemes 3d, 4d, and 6d is carried out by the applicant on the basis of own proofs and the proofs received with participation of the accredited testing laboratory (center) included in the Uniform register.

22. When declaring electrical engineering and radioelectronics products, the following shall be stated:

a) forms and analyzes documents confirming compliance of products with the requirements of this technical regulation, including:

specifications (if available);

operational documents;

protocol (s) for tests product samples and (or) constituent parts, materials,

components, products for compliance with the requirements of this technical regulation and (or) other documents at the option of the applicant, formed the basis for confirmation of conformity of products to requirements of this technical regulation (if any) (schemes 1d, 2d, 3d, 4d, and 5d).

supply agreement (contract) and shipping documentation (if available) (for a batch of products, a single product) (schemes 2d, and 4d);

quality management system certificate (copy of certificate) (scheme 5e);

b) carries out identification of products for the purpose of their reference to the field of application of this technical regulation;

c) ensures production control and takes all necessary measures to ensure that the production process of products ensures their compliance with the requirements of this technical regulation;

d) takes all necessary measures to ensure the stability of the quality management system (scheme 6e);

e) adopts the Declaration of conformity, which is drawn up according to the uniform form and rules approved by the decision of the Board of the Eurasian economic Commission dated December 25, 2012 No. 293;

f) puts a single mark of circulation of products on the Union market after the completion of the conformity assessment procedure;

g) forms after completion of procedure of confirmation of conformity a set of documents which includes the documents provided by subsection "a" of this section, and the Declaration of conformity.

23. The Declaration of conformity is subject to registration in the manner prescribed by the decision of the Board of the Eurasian economic Commission dated April 9, 2013 No. 76.

24. The period of validity of the Declaration of conformity for electrical and radio electronics products, commercially available, is not more than 5 years.

For a batch of electrical and electronic products, the validity of the Declaration of conformity is not established.

25. At the choice of the applicant confirmation of conformity of products of electrical engineering and radio electronics in the form of Declaration of conformity can be replaced by confirmation of conformity in the form of certification according to one of the following schemes:

a) for mass-produced items - schemes 1c, 3c, and 6c;

b) for product batch - scheme 3c.

26. When certifying electrical engineering and radioelectronics products, applicant can be:

a) for schemes 1c, 3c, and 6c - manufacturer (a person authorized by the manufacturer);

b) for scheme 3c - manufacturer (a person authorized by the manufacturer) or importer (seller).

27. Selection of scheme for declaring electrical engineering and radioelectronics products,shall be performed by the applicant.

28. When certifying electrical engineering and radioelectronics products, applicant shall:

a) takes all necessary measures to ensure that the production process of products ensures their compliance with the requirements of this technical regulation;

b) generates the following technical documentation:

specifications (if available);

operational documents;

supply agreement (contract) and shipping documentation (if available) (for a batch of products, a single product) (scheme 3c);

quality management system certificate (copy of certificate) (scheme 2c);

other documents at the choice of the applicant, which served as the basis

for confirming the conformity of products with the requirements of this technical regulation (if available);

c) submits to the certification body included in the Unified register, an application for certification of products (with the application of technical documentation). The application shall contain information on the document for compliance with the requirements of which the quality management system is certified (scheme 2c), as well as identifying features of the batch of products and its constituent units (scheme 3c);

d) puts a single mark of circulation of products on the Union market after the completion of the conformity assessment procedure;

e) in case of changes in the design of products or technology of their production, which may affect the compliance of such products with the requirements of this technical regulation, the certification body shall be notified in advance (scheme 1c);

f) forms after completion of procedure of confirmation of conformity a set of documents which includes the documents provided by subsection "b" of this section, test report (s), the results of the analysis of the state of production (scheme 1c), and the certificate of conformity.

29. At certification of electrical engineering and radioelectronics products, the certification body included in the Unified register:

a) analyzes the technical documentation submitted by the applicant and informs the applicant of its decision (indicating the conditions for certification);

b) identifies product samples and selects them from the applicant for testing;

c) provides testing of product samples (batch of products (samples from the batch) (scheme3c) in an accredited testing laboratory (center) included in the Unified register;

d) carries out the analysis of a condition of production of the applicant

which results are made out by the act (scheme 1c);

e) at positive results of tests and the analysis of a condition of production draws up the certificate of conformity according to the uniform form approved by the decision of Board of the Eurasian economic Commission dated December 25, 2012 No. 293, and issues it to the applicant;

f) enters information about the certificate of conformity into the unified register of issued certificates of conformity and registered declarations of conformity;

g) conducts inspection control of certified products during the validity period of the certificate of conformity by testing of product samples in accredited testing laboratory (center) included in the Unified register, and (or) analysis of production (scheme 1c);

h) conducts inspection control of certified products during the validity period of the certificate of conformity by testing of product samples in accredited testing laboratory (center) included in the Unified register, and analysis of the results of inspection control the body on certification of quality management system in relation to a certified quality management system (scheme 2c);

i) at positive results of inspection control confirms action of the certificate of conformity and makes in the act of inspection control the corresponding record, at negative results of inspection control makes the decision on suspension or on cancellation of action of the certificate of conformity and brings information on the made decision to the applicant (schemes 1c and 2c).

30. In the case of conformity assessment (declaration of conformity or certification) under schemes providing for certification of a quality management system, the certification of such a system shall be carried out by a quality management system certification body registered in the territory of a member state in accordance with the legislation of that state and accredited in the national

accreditation system of the member state.

31. The period of validity of the Certificate of conformity for electrical and radio electronics products, commercially available, is not more than 5 years. For a batch of electrical and electronic products, the validity of the Certificate of conformity is not established.

32. The set of documents formed after confirmation of conformity of electrical and electronic products shall be kept in:

a) for commercially available products - applicant at least 10 years from the date of termination of the Declaration of conformity or certificate of conformity;

b) for a product batch - applicant at least 10 years from the date of the end of the sale of the product batch;

c) for the product - at the manufacturer (the person authorized by the manufacturer) not less than 10 years from the date of withdrawal from production (termination of production) of this product.

VIII. Marking with a single product circulation mark on the Union market

33. An electrical engineering and radio electronics product that meets the requirements of this technical regulation and has passed the conformity assessment procedure in accordance with section VII of this technical regulation shall be marked with a single product circulation mark on the Union market

34. Marking a single sign of products on the Union market before the release of electrical and electronic engineering product in circulation on the Union market.

35. A unified conformity sign of products on the market in the Union is applied to each item of electrical engineering and electronics in any way, providing crisp and clear image during the lifetime of the product, and is also given in the operational documents attached.

In case of impossibility of applying a single sign of products on the Union market for the electrical and electronic engineering products, it shall be allowed to apply that sign only to the packaging and accompanying operational documents.

36. An electrical engineering and radio electronics product is marked with a single product circulation mark on the market of the Union if it complies with the requirements of all technical regulations of the Union (Customs Union), which apply to it.

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for documents

APPENDIX No. 1
to the technical regulation
of the Eurasian Economic Commission
'On Limitations for Applying Hazardous
Substances in
Electrical and Radioelectronics
Items' (EAEU TR 037/2016)

LIST
of electrical and tradioelectronics items,
which are covered by this technical regulation
of the Eurasian Economic Commission 'On Limitations
for Applying Hazardous Substances in Electrical and Radioelectronics Items'
EAEU TR 037/2016).

1. Electrical appliances and household appliances:

a) for preparation and storage of food and mechanization of kitchen works, and also other kitchen equipment;

b) for processing (washing, Ironing, drying, cleaning) linen, clothes and shoes;

c) for cleaning and cleaning of premises;

d) to maintain and adjust the indoor climate;

e) sanitary and hygienic;

f) for hair, nails and skin care;

g) for body heating;

h) vibration massage;

i) gaming, sports and training equipment;

j) audio and video equipment, television and radio broadcasting receivers;

k) sewing and knitting;

l) power supplies, chargers, voltage stabilizers;

m) for gardening;

n) for aquariums and garden ponds;

o) electric pumps;

p) electric and electronic clock;

q) calculators;

r) electric installation items;

s) extension cables.

2. Electronic computers and devices connected to them, including combinations thereof:

a) servers, system units of personal computers;

b) laptops;

c) tablet, pocket, handheld and other small computers;

d) keyboards, manipulators, trackers and other control and input devices (computer mice, joysticks, helmets, glasses);

e) removable media;

f) monitors;

g) printers;

h) scanners;

i) speakers and headphones;

j) multimedia projectors;

k) biometric information readers;

l) web cameras;

m) modems;

n) uninterruptible power supply units.

3. Telecommunication facilities (terminal telecommunication devices):

a) landline and mobile phones;

b) automatic phones;

c) telefaxes;

d) telexes;

e) portable radio stations walkie-talkies;

f) radio frequency identification tags.

4. Copiers and other electrical office (clerical) equipment.

5. Electrified tools manual and portable electrical machines).

6. Lights and lighting equipment, including hardware, built-in furniture.

7. Electro-musical instruments.

8. Slot and trading machines.

9. Cash registers, ticket printing machines, ID card readers, ATMs, information kiosks.

10. Cables, wires and cords intended for use at rated voltages not exceeding 500 V AC and (or) DC, except for fiber optic cables.

11. Automatic circuit breakers and safety shut-off devices.

12. Fire, security and fire-security detectors.

APPENDIX No. 2
to the technical regulation
of the Eurasian Economic Commission
'On Limitations for Applying Hazardous
Substances in
Electrical and Radioelectronics
Items' (EAEU TR 037/2016)

L I S T
of hazardous substances, which content in the electrical and radioelectronics items exceeding the permissible concentration in uniform (homogeneous) materials applied in designs of electrical and tradioelectronics items, which are covered by this technical regulation of the Eurasian Economic Commission 'On Limitations for Applying Hazardous Substances in Electrical and Radioelectronics Items' (EAEU TR 037/2016) is forbidden.

Name of hazardous substance	Permissible concentration of hazardous substance in uniform (homogeneous) material in weight percent, not more than
1. Lead	0.1
2. Mercury	**od**
3. Cadmium	0.01
4. Hexavalent chromium	**od**
5. Polybrominated biphenyls	**od**
6. Polybrominated diphenyl ethers	**od**

APPENDIX No. 3
to the technical regulation
of the Eurasian Economic Commission
'On Limitations for Applying Hazardous
Substances in
Electrical and Radioelectronics
Items' (EAEU TR 037/2016)

SPECIAL REQUIREMENTS

on limitations for applying hazardous substances in electrical and radioelectronics items

Special requirement	Special requirement validity
1. Mercury in compact fluorescent lamps with 1 base, for one lamp maximum:	
2.5 mg for general lighting lamps less than 30W	not limited
3.5 mg for general lighting lamps from 30W (including) to 50Wt	not limited
5 mg for general lighting lamps from 50W (including) to 150Wt	not limited
15 mg for general lighting lamps less than 150W	not limited
7 mg for general lighting lamps with ring-shaped or square tubular flask with a diameter not exceeding 17 mm	not limited
5 mg for lamps intended for special purposes (except general lighting)	not limited
3.5 mg for general lighting lamps less than 30W with a service life of at least 20,000 hours	during three years from induction of the Technical Regulation of the Eurasian Economic Union 'On Limitations for Applying Hazardous Substances in Electrical and Radioelectronics Items' (EAEU TR 3) (hereinafter the technical regulation)*
2. Mercury in a linear (straight-line tubular) fluorescent lamps with 2 lamp bases for general lighting, for 1 lamp maximum:	
4 mg for three-band phosphor lamps with a tube diameter less than 9 mm	not limited
3 mg for three-band phosphor lamps with a tube diameter less than 9 mm and not more than 17 mm	not limited
3.5 mg for three-band phosphor lamps with a tube diameter less than 17 mm	not limited
5 mg for lamps with three-band phosphor and a standard service life of at least 25.000 h	not limited
3. Mercury in other lamps with 1 base, for one lamp maximum:	

Special requirement	Special requirement validity
10 mg for linear lamps with halophosphate phosphor and tube diameter more than 28 mm	within 2 years from the date of entry into force of the technical regulation*
15 mg for lamps of nonlinear form with halophosphate phosphor	within 3 years from the date of entry into force of the technical regulation*
15 mg for lamps of nonlinear form with halophosphate phosphor and flask diameter more than 17 mm	not limited
15 mg for lamps intended for general lighting and special purposes (e.g. induction lamps)	not limited
10 mg for linear lamps with halophosphate phosphor and tube diameter more than 28 mm	not limited
4. Mercury in fluorescent lamps with cold cathode and fluorescent lamps with external electrodes, 1 lamp no more:	
3.5 mg for lamps up to 500 mm long	not limited
5 mg for lamps longer than 500 mm, but not more than 1.500 mm	not limited
13 mg for lamps up to 1 500 mm long	not limited
5. Mercury in low-pressure discharge lamps - not more than 15 mg per 1 lamp	not limited
6 mercury in high-pressure sodium lamps for general lighting with color rendering index Ra more than 60, per 1 lamp not more than:	
30 mg for lamps with a power not exceeding 155 W	not limited
40 mg for lamps with a power not exceeding 155 W	not limited
7. Mercury in other high-pressure sodium lamps for General lighting:	
25 mg for lamps with a power not exceeding 155 W	not limited
30 mg for lamps with a power not exceeding 405 W, but not exceeding 405 W	not limited
40 mg for lamps with a power exceeding 405 W	not limited
8. Mercury in high-pressure mercury lamps shall not be limited	within 2 years from the date of entry into force of the technical regulation*
9. Mercury in metal halide lamps shall ot be limited	not limited
10. Mercury in special discharge lamps for luminous signs and decorative illumination of buildings:	
20 mg for each pair of electrodes and 0.3 mg for each centimeter of bulb length for lamps intended for indoor and outdoor use at temperatures below minus 20 °C	within 3 years from the date of entry into force of the technical regulation*
15 mg for each pair of electrodes and 0.24 mg for each centimeter of the bulb length, but not more than 80 mg for other lamps intended for indoor use	within 3 years from the date of entry into force of the technical regulation*
11. Mercury in other discharge lamps intended for special purposes (in addition to general lighting) shall be not limited	not limited
12. Lead in the glass of cathode ray tubes - shall not be limited	not limited
13. Lead in glass of flasks (tubes) of fluorescent lamps no more than 0.2%	not limited

Special requirement	Special requirement validity
14. Lead content in steel, including galvanized steel - no more than 0.35 %	not limited
15. Lead content in aluminum alloys no more than 0.4 %	not limited
16. Lead content in brass and other copper-based alloys -no more than 4 %	not limited
17. Lead in refractory (melting point more than 300 °C) solders - not limited	not limited
18. Lead in solders used in the manufacture of servers, storage and transmission systems of telecommunication networks - not limited	not limited
19. Lead in electrical and electronic components other than insulating ceramic capacitors (e.g. in piezoelectric devices, ceramic compounds or glass substrates) - not limited	not limited
20. Lead in insulating ceramic capacitors with rated voltages less than 125 V AC and 250 V DC - not limited	not limited
21. Lead in piezoelectric effect-creating ceramic materials of capacitors of integrated circuits and discrete semiconductor devices is not limited	within 2 years from the date of entry into force of the technical regulation*
22. Cadmium and its compounds in electrical contacts - not limited	not limited
23. Hexavalent chromium as an anticorrosive additive in carbon steel heat exchange systems of absorption refrigerators - no more than 0.75 % by weight of the cooling solution	not limited
24. Lead in the housings and liners of sliding bearings intended for refrigerant-containing compressors of ventilation and air conditioning systems - not limited	not limited
25. Lead in transparent colorless glasses and the lenses of the optical systems not limited	not limited
26. Lead and cadmium in glass filters and standard reflectivity samples - not limited	not limited
27. Lead in solders to create a stable electrical connection between the housing (crystal holder) and the semiconductor crystal of the integrated circuit with ball terminals - not limited	not limited
28. Lead halide in high intensity discharge lamps for industrial applications and copiers - not limited	not limited
29. Lead as an activator of fluorescent compositions of gas-discharge lamps for solariums - not limited	not limited
30. Lead and cadmium in printing inks for application to borosilicate and lime-sodium glasses - not limited	not limited
31. Lead in solders for multilayer disk and planar matrix ceramic capacitors with metallized holes - not limited	not limited
32. Lead oxide in ZEB displays (displays with electronic emission due to surface conductivity) - not limited	not limited
33. Lead in solders used in high-power loudspeakers (speakers designed for long-term operation at a sound pressure level of at least 125 dB DB) - not limited	not limited
34. Compounds of lead in crystal glass - not limited	not limited
35. Cadmium alloys as solder for electromechanical connections in the sound coil of loudspeakers with a sound pressure level of at least 100 dBA - not limited	not limited
36. Lead in solders for mounting flat fluorescent lamps in liquid crystal	not limited

Special requirement	Special requirement validity
displays - not limited	
37. Lead oxide in the sealing compositions of argon and krypton laser tubes - not limited	not limited
38. Lead in solders for soldering copper wires of power transformers with a thickness of not more than 100 microns - not limited	not limited
39. Lead in ceramic tuning potentiometers - not limited	not limited
40. Mercury for stabilization of cathode sputtering in plasma displays - no more than 30 mg per 1 plasma panel	within 2 years from the date of entry into force of the technical regulation*
41. The lead in the cladding layers of the high voltage diodes in casings based on glass-ceramic and beryllium oxide is not limited	not limited
42. Cadmium and cadmium oxide in thin film layers on the beryllium oxide with aluminum - not limited	
43. Cadmium in light-transforming elements of solid-state LEDs for lighting and display systems-not more than 10 mg per 1 mm2 of light-emitting surface	within 2 years from the date of entry into force of the technical regulation*

* Validity means that since the mentioned date the issuance of the product electrical and electronic engineering is possible only at observance of the requirements on the content of hazardous substances set out in section 7 of the technical regulation.