Regulation of lead in paints and varnishes in the Republic of Belarus
Policy and technical requirements to lead in products in Belarus

- National strategy for sustainable socio-economic development of the Republic of Belarus for the period up to 2020 (paragraphs 4.3.4-4.3.5.)
- 2. Technical Regulations of the Republic of Belarus "On the safety of paints and varnishes" "On the restriction of the use of hazardous substances in electrical engineering and radio electronics"
- . Unified sanitary-epidemiological and hygienic requirements for products (goods) subject to sanitary-epidemiological supervision (control) Chapter II, Section 5. Requirements to household chemicals and paints and varnishes, Subsection II. paints and varnishes
- 4. TR EAEU "On the safety of paints and varnishes" "On the safety of paints and varnishes"
Standards of lead content in consumer goods

• materials in contact with food, dishes (glass, porcelain, earthenware, ceramic products): DKM - not more than 0.030 mg/dm³/ml/l (ECT, Chapter II, Section 16; GN (Resolution of the Ministry of Health of the Republic of Belarus of 30.12.2014 No. 119); TS TS 005/2011 “On packaging safety”)

• medical devices, medical equipment and materials used for their manufacture: DKM - not more than 0.030 mg/dm³ (GN (Decree of the Ministry of Health of the Republic of Belarus of December 16, 2013 No. 128)


• PKP: content - not more than 5.0 mg/kg (TP TC 009/2011 “On the safety of perfume and cosmetic products”)

RATIONING OF LEAD CONTENT IN PAINTS AND VARNISHES

ECT, Chapter II, Section 5. Requirements for household chemicals and paints and varnishes. Subsection II. paints and varnishes

- must not contain ciccatives, including metals,
- must not contain substances of the 1st class of hazard, the amount of which in terms of dry residue exceeds 0.5%,
- in lead-containing pigments (lead crown) - chemicals of hazard class 1 - 15%.
- Assessment of the presence of driers and lead-containing pigments is carried out by analyzing the formulation of paint and varnish materials
- Discussion of the Technical Regulation is on-going
MANUFACTURERS OF PAINTS AND VARNISHES IN BELARUS

More then 100 enterprises produce PVP

- In the country produce paintwork more than 100 enterprises.
- OJSC “Minsk paint and varnish factory” (the oldest enterprise, budget range).
- JSC "Lakokraska", Lida (more than 2 thousand items of products)
- JV "Color", Kobrin (German technologies and recipes)
- IOOO "Condor", a division of Eskaro Belarus (over 200 items of products of ISO 14001)
- IUP “Diskom”, a subsidiary of the German company DAW SE (Caparol, Alpina, Diamant, Disbon, Diskom)
- SOOO "Snowball-Paul" (ISO 9001 certificate)
- MAV (more than 150 products)
Trends of the paint market

- **Demand shifting from organosolvent-based paints to water-based emulsion coatings**

- In 2017, the volume of production of paints and varnishes in Belarus increased by 7.1% to 127.3 thousand tons, while:
  
  - Water based paints were produced in amount of 21.47 thousand tons

- Export in 2017 - 629.5 tons, of which 97% - to the CIS countries and about 2% - to Europe (Lithuania, Latvia and Estonia)

- Entry into European markets is constrained by the high test requirements there, which are not carried out in Belarus and are very expensive.
Trends of the paint market

➢ In the domestic market, consumers prefer high-quality paints of well-known world brands (including those with production in Belarus), with some prejudice in relation to the Belarusian and Russian brands themselves.

➢ Last year, 1.15 thousand tons of water-based paints were imported to Belarus, of which about 72% were supplied from European countries and almost 27% from Russia.

➢ organic solvent based paints decrease (more toxic)

➢ but in the structure of the Belarusian export of paints this segment prevails
Activities of the Ministry of Health of the Republic of Belarus

➢ RESOLUTION OF THE COUNCIL OF MINISTERS OF THE REPUBLIC OF BELARUS February 15, 2019 № 102

➢ On approval of the Regulation on the procedure for domestic coordination of draft technical regulations of the Eurasian Economic Union and amending the Resolution of the Council of Ministers of the Republic of Belarus of December 28, 2013 No. 1156

➢ Appendix LIST of the republican bodies of state administration and technical regulations of the Eurasian Economic Union, the Customs Union, in which these bodies are responsible for developing the position of the Republic of Belarus and participating in international negotiations:

➢ The Ministry of Health is responsible for the EAEU TR "On the Safety of Paints and Varnishes"
Activities of the Ministry of Health of the Republic of Belarus

➢ As part of raising awareness of specialists:

➢ Reports at conferences (center, BSMU, MGII im.AD.D. Sakharov BSU)

➢ Publications in the collections of the center, the newspaper "Medical Herald", etc.

➢ Raising public awareness:

➢ Interview to the magazine “Native Prosh”, on the Internet portal tut.by

➢ International Lead Poisoning Prevention Week

➢ Conversation with manufacturers:

➢ Seminars

➢ Product Information
Problematic issues

➢ In terms of lead regulation in paints and control of the established standard:

➢ development at the national and/or international level of a single standard value of the lead in paints due to natural components, in which lead is not specifically added, but can be detected

➢ Human biomonitoring of lead, especially in children, and the development and validating of methodologies (validated methods, provision of equipment, training of specialists, etc.);

➢ Creating a database of paints and varnishes that are sources of lead in the environment in Belarus, to enable choosing safe products on the country’s market
Problematic issues

➢ In terms of lead in paintwork materials by manufacturers:

➢ Improvement of laboratory / instrumental base, availability of methods for the assessment of lead content in paints,

➢ Organization of mandatory production control of lead content in paint and varnish materials at manufacturing enterprises

➢ Mandatory presentation of warning information on the content/presence of lead on the label in order to make a reasonable choice of consumer products

➢ Consideration of the issue of initiating the preparation of a draft decision agreed with all interested parties on the accession of the Republic to the Global Alliance to Eliminate Lead in Paints
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