

**African Ministerial Conference on the Environment
Side Event on Lead Paint, 18th Sep. 2018-UNEP Conference RM 3**

**Developing Legally Binding Controls on Lead Paint:
Kenyan Experience**

**BY: DR. FARIDAH HUSSEIN WERE
(KENYA)**



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PAINT**



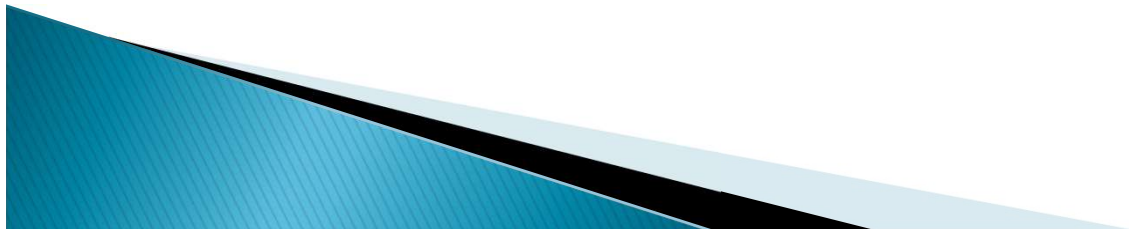
Republic of Kenya

Strategies of developing legally binding controls on lead in paint

From 2013, the issues of lead in paint came into public domain in Kenya and since then measurable level of progress has been made towards establishing legal limit to phase out lead in paint



This has been as a result of UNEP/WHO, providing necessary leadership to Lead Alliance Partners in establishing legal limit to phase out lead in paint by the year 2020



Our guiding principle

 **We can not phase out Lead in Paint without regulation and technical information:**

[http://www.unenvironment.org/resources/publication/
model-law-and-guidance-regulating-lead-paint](http://www.unenvironment.org/resources/publication/model-law-and-guidance-regulating-lead-paint) and
www.unep.org/noleadpaint/toolkit

 **We can not enforce laws without comprehensive awareness and support:**

http://www.who.int/ipcs/lead_campaign/en/

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Status of lead in paint in Kenya including Sub-Saharan Africa

Country	N	Year	% > 90 ppm	% > 600 ppm	% > 10,000 ppm
Cameroon	35	2015	54	51	23
C. D'Ivoire	44	2015	75	75	36
Ethiopia	36	2015	78	78	47
Ghana	18	2013	33	28	17
Kenya	31	2012	87	81	2
Nigeria	23	2009	100	100	65
Tanzania	56	2015	64	55	23
Senegal	21	2009	86	76	19
S. Africa	29	2009	38	34	31
Uganda	50	2012	26	N/A	N/A

Source: IPEN, <http://ipen.org/projects/eliminating-lead-paint/lead-levels-paint-around-world>

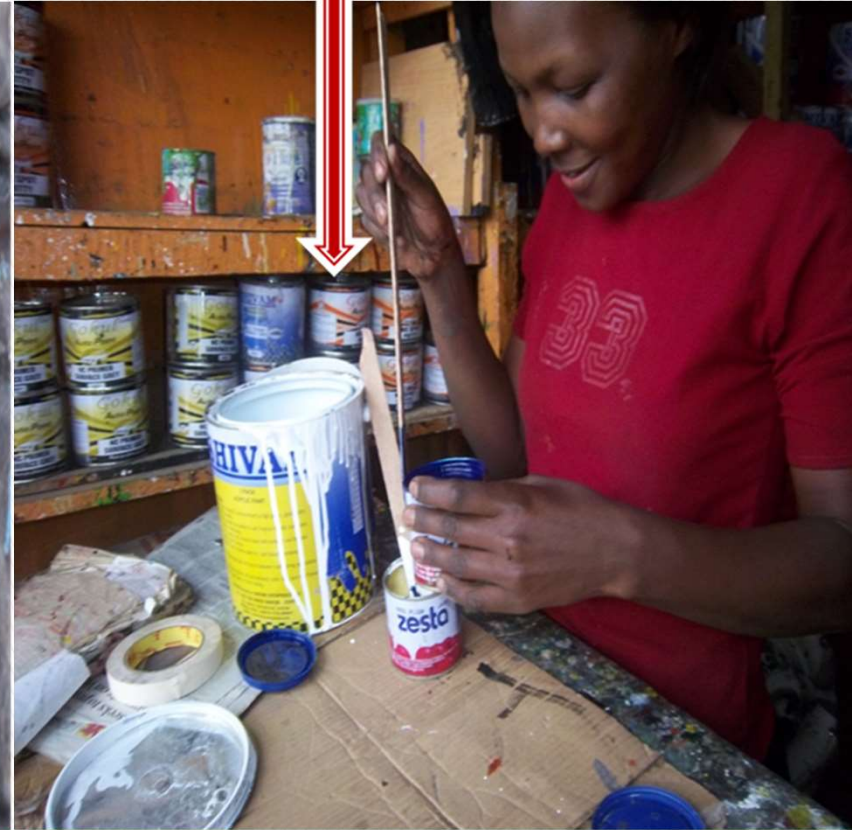
Situation analysis on lead in paint in Kenya (Research: 2013 -2014)

- 👉 One of the oil based paint had lead levels that was 750 times higher than acceptable levels of 90 ppm in the US.
 - 👉 25% of airborne lead levels in paint production areas exceeded the U.S. standard
 - 👉 75% of the workers had blood lead levels that exceeded 30 ug/dl, which required a medical notification in the U.S
 - 👉 Only 2 of 15 paint manufacturing companies were not adding leaded pigments in the decorative paints
 - 👉 All the 15 companies had lead in road marking, automotive and industrial paints
 - 👉 5 informal paint manufacturers were using lead driers including lead pigments
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Possible lead exposure pathways from paint



Formulation of paint using bare hands:
Source (UNEP-Video footage-24th – 26th 2016-
Kamukunji, Nairobi, Kenya)



Formulation of paint in informal sector:
Research Survey -25th Oct 2014-Kariobangi,
Nairobi

Discharge of paint waste into the immediate environment

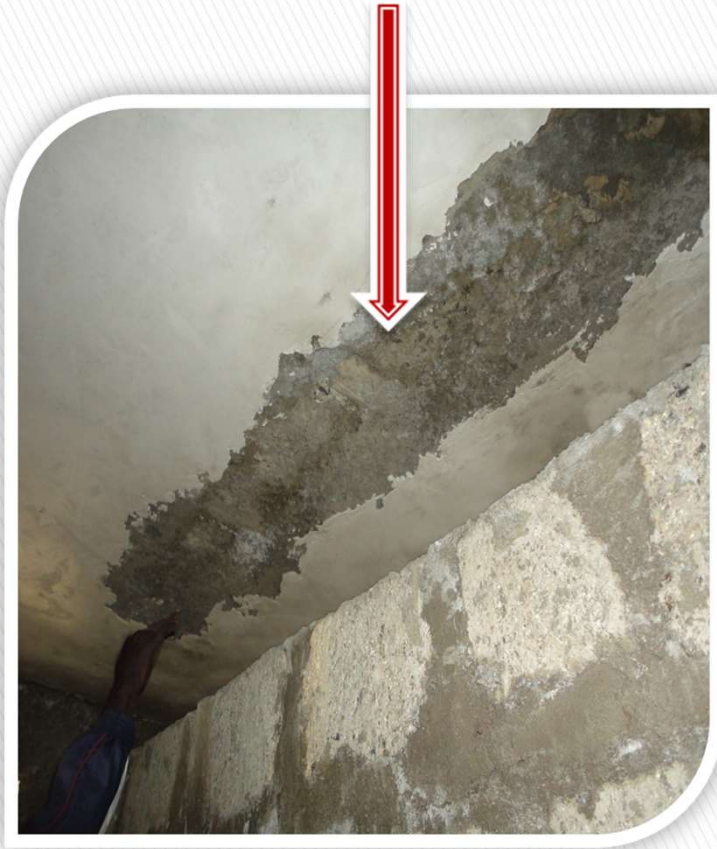


Paint particles in work environment:
Source: Informal Sector Kariobangi,
Nairobi, 25th Oct 2014

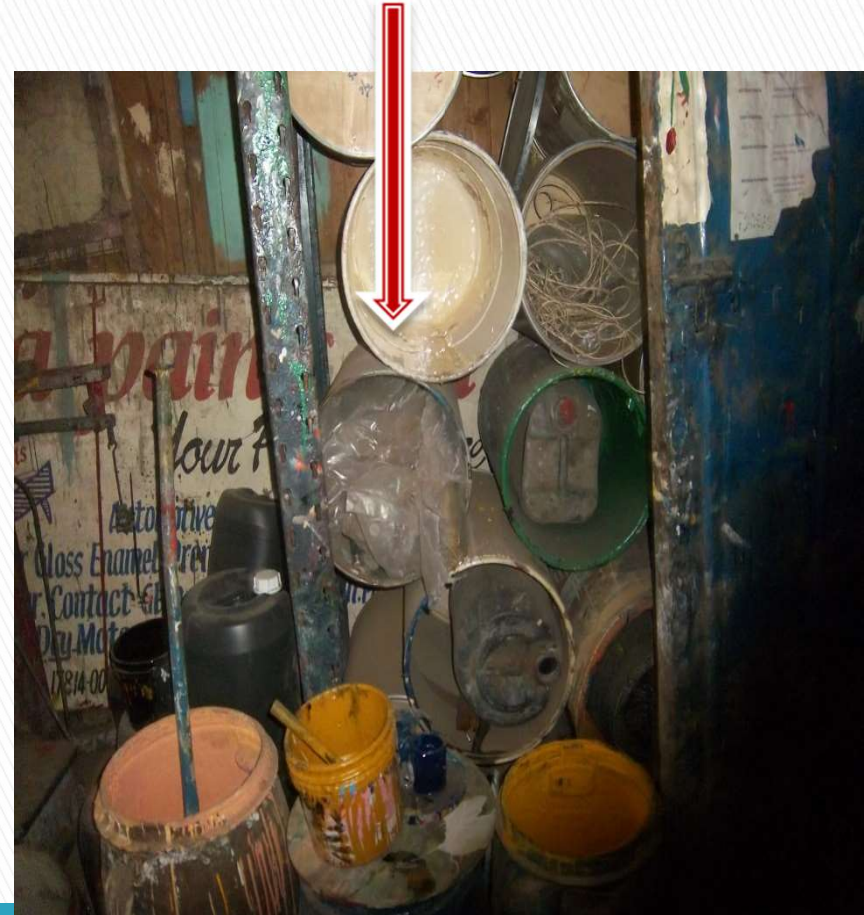


Discharge of paint effluent in the drainage
system within the residential area - 26th Oct
2014

Emission of paint particles in the environment



Demolition and renovation operation result in emission of paint particles in the environment
Source: Residential Area-27th Oct 2014



The residual paint is poured in the immediate environment to allow re-use of the containers,
Source: Residential area- 27th Oct. 2014

**Informal Sector in residential area, Nairobi:
Spraying the Fridge with paint that had 4.96mg/L of lead**



Research: Sponsored by Pure Earth 28th Dec. 2016

Some events during International Lead Poisoning Prevention Week of Action



A workshop on dissemination of research findings on lead poisoning. Sponsored by Basco and Dura Coat Paint Company in partnership with KIRDI, Ministry agencies, Diverse Media, Academia, Private Sector and Regulators : 23rd Oct. 2013

Launching Lead Poisoning Prevention Program in a School

26th – 31st October 2015



Basco and Duracoat Paints sponsored the program and donated lead free paint for the whole school that was last painted in 1958 with lead based paints. This was in Partnership of KIRDI, UNEP, DLM Sc., UoN, KEBS, MOH, NEMA, MOEnv, Diverse Media, Director Sub-county Edu, Parents among others



Thousands of children of Our Lady of Mercy Primary School participated during launching of the program

Commitment among stakeholders towards phasing out Lead in Paint 24th – 29th October 2016



A Workshop sponsored by Crown Paints in Collaboration with UoN, UNEP, KIRDI, Eco-Ethics Kenya, Diverse Media, MTTI and Mombasa County Government in Mombasa 29th Oct. 2016



A demonstration of painting a leaded surface with lead free paint donated by Dura/Basco Paints

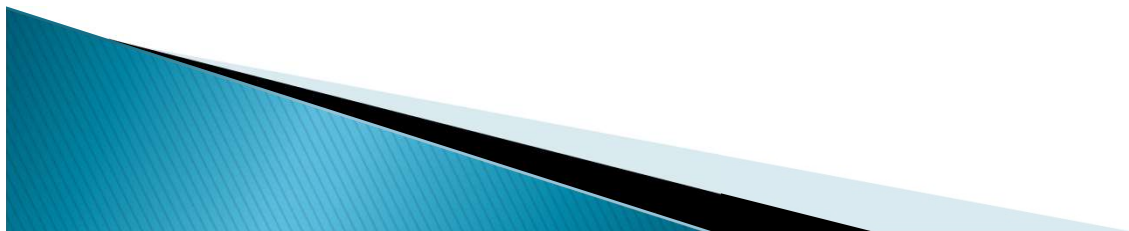
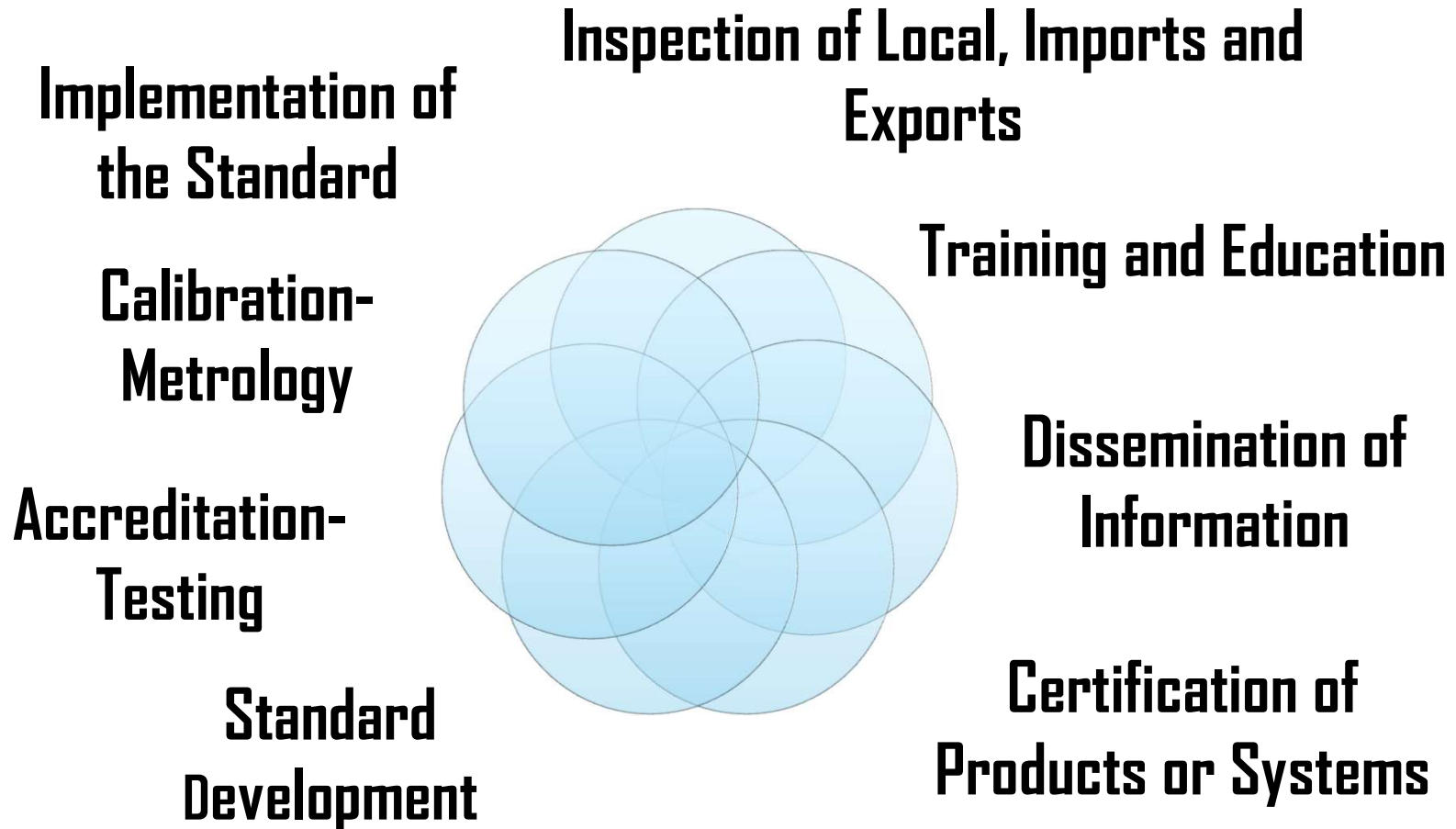
The Process of Developing National Lead Paint Standard

During the Addis Ababa meeting between 2nd and 4th December 2015, Government Officials and Stakeholders from 15 African Countries that included EAC joined Lead Paint Alliance and agreed on 90 ppm as the Total Permissible Level of Lead in Paint

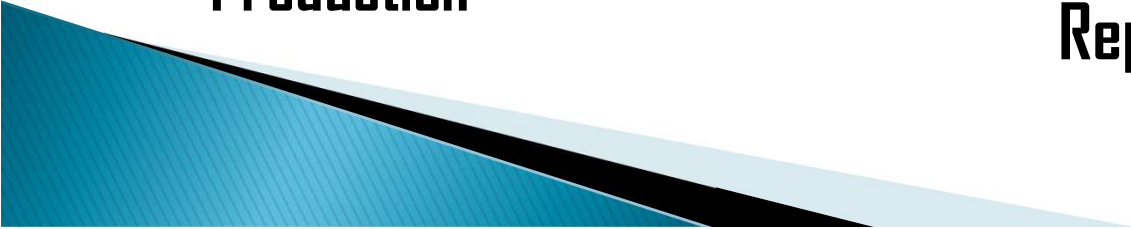


In March 2016, the Kenya Bureau of Standards (KEBS), a statutory body established through the Standards Act (CAP 496) in 1974 under the Ministry of Industry and Trade began the process of developing the National Lead Paint Standard

Role of KEBS in the Lead Paint Standard



Composition of KEBS' Technical Committee in the Development of Lead Paint Standard

- ▶ **Secretariat-KEBS**
 - ▶ **Nominated Chairperson**
 - ▶ **Paint Manufacturer Representatives**
 - ▶ **Academia Representatives**
 - ▶ **Research Institution Representatives**
 - ▶ **Consumer Information Network**
 - ▶ **National Environment Management Authority**
 - ▶ **Kenya National Cleaner Production**
 - ▶ **Ministry of Transport and Infrastructure Materials Division**
 - ▶ **Kenya Ferry Services Environment**
 - ▶ **Government Chemist**
 - ▶ **Kenya Ports Authority**
 - ▶ **Kenya Revenue Authority: Customs and Exercise Dept.**
 - ▶ **Ministry of Health Representatives**
- 

Registered Lead alliance Partners in Kenya

1. Kenya Bureau of Standards

2. Kenya Industrial Research and Development Institute

3. University of Nairobi

4. Kenya National Cleaner Production

5. Architectural Association of Kenya

6. Eco-ethics Kenya-NGO

7. The Centre for Environment Justice and Development-NGO

The Scope and guidelines on methods of sampling and analysis of lead in paints

Determination of total lead in paints, varnishes, coatings and related products:

Part 1: Preliminary examination of samples and sampling procedures

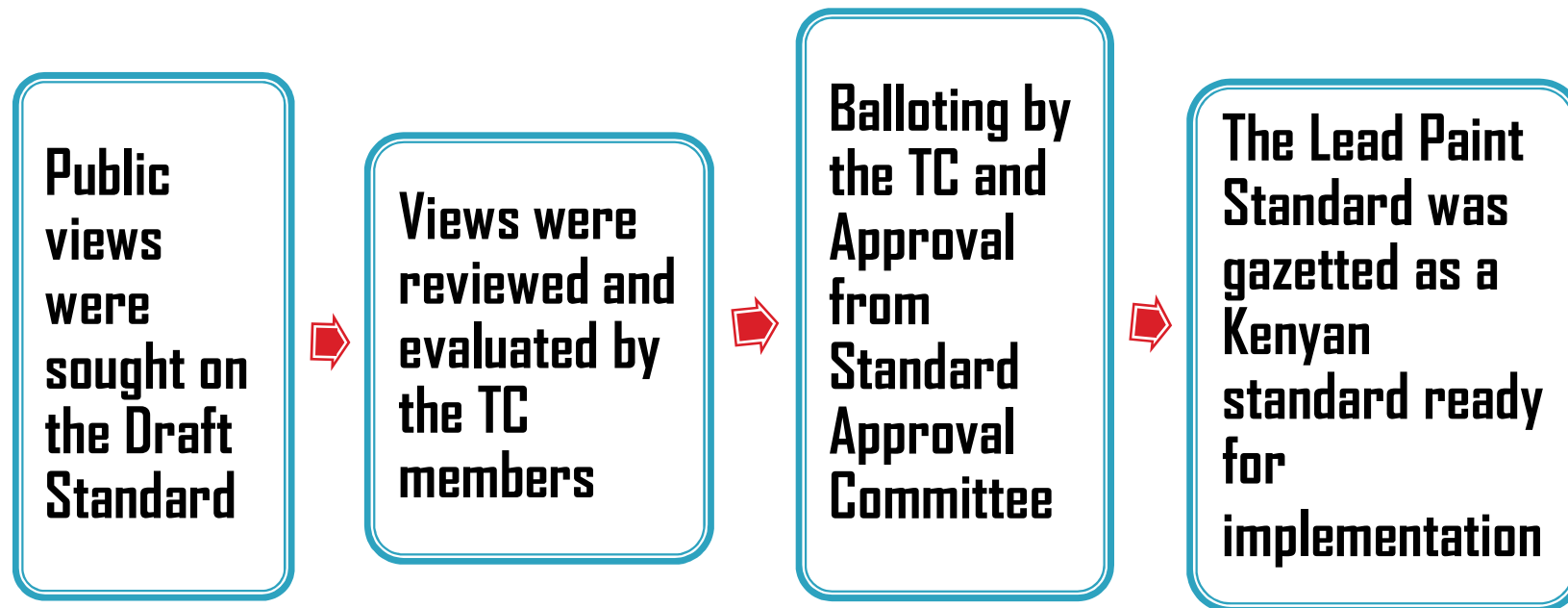
Part 2: Maximum permissive content of total lead in paint based on the dry weight

Requirements for Lead Paint Standard

- ▶ **Paints varnishes, coatings and related products shall be manufactured/formulated following good manufacturing practices**
- ▶ **The dried collected sample shall be analyzed in a laboratory that has accreditation program**
- ▶ **The presence of lead in these products shall be as result of a natural contaminant not as an additives therefore the permissive limit shall be 90 ppm of the total lead dry weight.**



The steps that were followed during finalization of the Lead Paint Draft standards



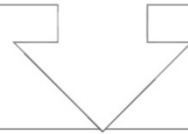
The TC Members finalized the standard to regulate Total Lead Content of Permissive Limit of 90 pmm in Paints, Varnishes, Coatings and Related Products

CD/CHEM/120/2016 - Paints, varnishes, coatings and related products—Part 1: Preliminary examination of samples and sampling procedure

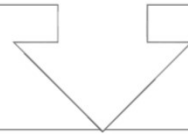
CD/CHEM/120/2016 - Paints, varnishes, coatings and related products—Determination of total lead—Part 2: Maximum permissible content of total lead based on dry weight

Importance of harmonization of Lead Paint Standard at the East Africa level

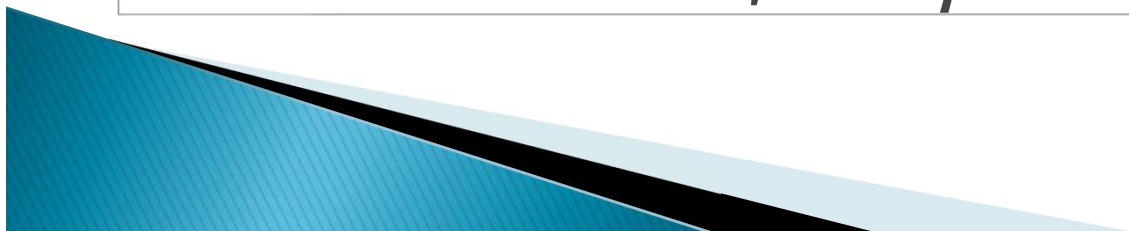
Harmonization of the standard is governed by the requirement of quality of products and services to remove barriers of trade



The EAC have Standardization, Quality Assurance, Metrology and Test Act (EAC SQMT Act, 2006)



One of the aim of EAC SQMT Act is to ensure that the products and services provided are to protect the health and safety of consumers, society and the environment

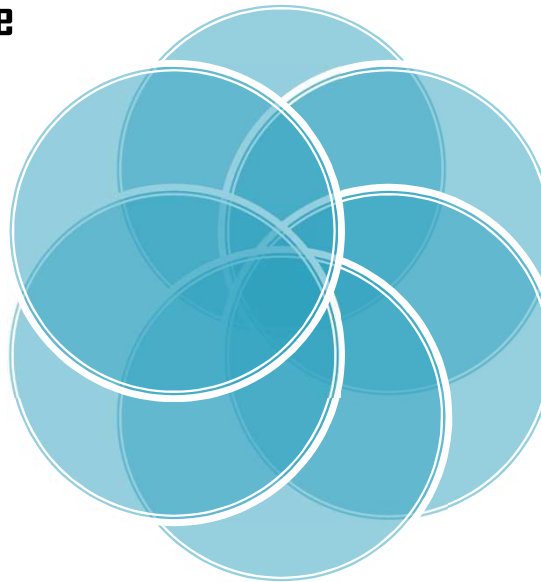


Development of East Africa Standard

The representatives of the National Standards Bodies in Partner States, Private Sectors and Consumer Organizations draft the EA Standard

Users of the EA Standards are expected to have the latest version of the standards they will be implementing.

EA Lead paint Standard will be subject to review, to keep pace with technological advances



EA Draft Standard is then circulated to the Stakeholders of the National Standards Bodies in the Partner States

The comments are received discussed and incorporated before finalization of the EA Standard

The Partner States shall adopt in totality EA Lead Paint Standard and withdraw the existing National standard within 6 months of its declaration



Current status of EA lead paint standard

The EA Lead Paint Draft Standard was circulated to 6 member states with comments from respective countries



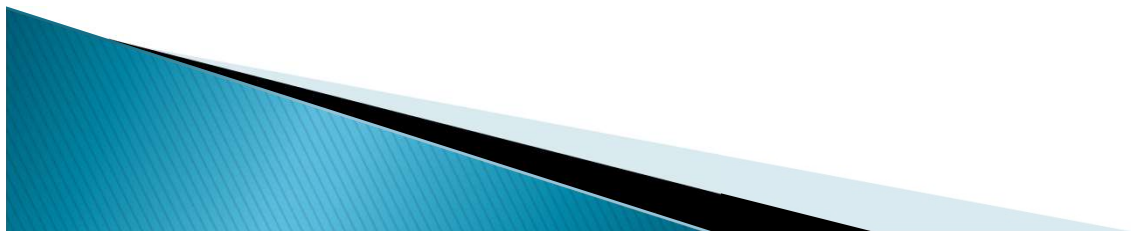
A workshop is scheduled from 1st - 5th October 2018 in Tanzania for TC members from the 6 partner states to edit and finalise the EA Lead Paint Standard



Recommendation

- ▶ **What is needed is effective compliance and enforcement programs of the lead paint regulation to ensure protection of human health and environment**
- ▶ **Close coordination and commitment among government agencies along with partners of lead alliance is necessary**
- ▶ **We also urge other African Countries especially the ECOWAS to establish the lead paint permissive limit**

2018  **2020.... This is just two years left????**



Contact

Dr. Faridah Hussein Were
Department of Chemistry
University of Nairobi, Kenya
fwere@uonbi.ac.ke
www.uonbi.ac.ke

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