



Eliminating Lead Paint in Africa

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a toxics-free future

Michael Musenga
Children's Environmental Health
Foundation/IPEN

mmusenga@yahoo.com

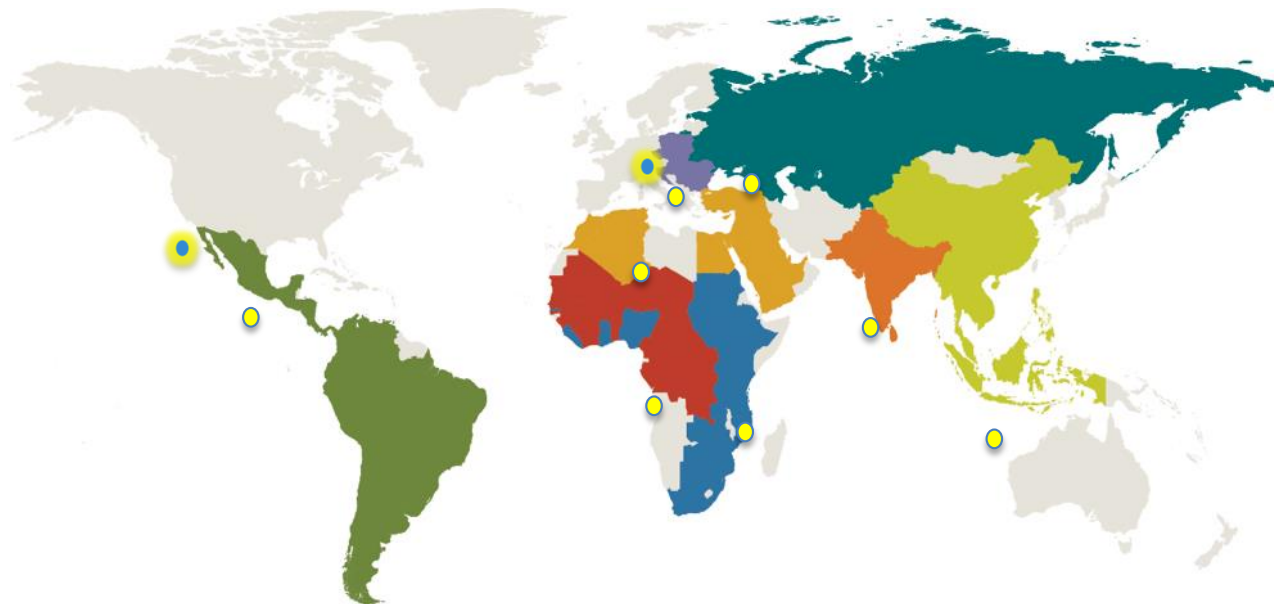


**CHILDREN'S ENVIRONMENTAL
HEALTH FOUNDATION**
Promoting sustainable Environment



a toxics-free future

A Global NGO Network whose mission is a toxics-free future for everyone



500 NGOs in more than 100 Countries working on:

- ✓ **POPs: Pesticides, Industrial Chemicals and Waste (by-products)**
- ✓ **Toxic Metals: Lead and Mercury**
- ✓ **Safe Chemicals Management (SAICM)**

IPEN



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About CEHF



- CEHF was founded in the year 2011

Mission

- Protecting children's rights and other vulnerable population at risk from all forms of environmental health hazards and chemical threats that inhibit childhood development

Program Focus Areas

- Lead in Paint

Lead Paint Elimination Project in Africa

Africa Lead Paint Elimination Project

- Project Duration: Aug. 2014 – Jun. 2017
- Funded by Global Environment Facility (GEF), \$1 million USD
- Implemented by UN Environment
- Executed by IPEN
- Focus Countries
 - Cameroon, Côte d'Ivoire, Ethiopia, Tanzania
- Lead Paint Data Gathering and Information Dissemination in 11 Additional Countries
 - Benin, Egypt, Guinea, Kenya, Morocco, Mozambique, Nigeria, Sudan, Togo, Uganda, Zambia

Project Objectives and Activities

- Aimed at eliminating the manufacture, import, export, sale and use of household decorative lead paints
- Conducted paint market analysis, procurement of paints, analytical testing, and reporting of results in four focus countries
- Reached out to relevant government ministries and institutions to promote the adoption of legal standards based on 90-ppm total lead in all paints
- Reached out to paint manufacturers, especially SMEs, to discuss transition to lead-free formulation

Project Activities (cont'd)

- Gathered new data on lead in paint and conducted information dissemination in 11 additional countries, including Zambia
- Organized two regional workshops where governments from 20 African countries, including Zambia, endorsed a 90-ppm total lead limit
 - East Africa Sub-regional Workshop on the Establishment of Legal Limits on Lead in Paint (Addis Ababa, Ethiopia, 2-3 December 2015)
 - Central and West Africa Workshop on the Development of National and Regional Regulations and Standards on Lead in Paints (Yaoundé, Cameroon, 8-9 December 2016)

IPEN Africa Regional Report on Lead in Paint

- In October 2017, IPEN released an Africa Regional Report on lead in paint which contains data from recent studies in 15 African countries, including Zambia (<http://ipen.org/documents/africa-lead-paint>)

REGIONAL REPORT

LEAD IN SOLVENT-BASED PAINTS FOR HOME USE IN AFRICA



October 2017



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Lead Paint Studies in Africa

Countries	Study Year	No. of Paints	% Above 90 ppm	% Above 10,000 ppm	Highest Lead Level (ppm)
Benin	2017	28	79	36	180,000
Cameroon	2017	65	43	15	220,000
Côte d'Ivoire	2017	51	63	27	470,000
Egypt	2017	58	62	3	43,000
Ethiopia	2017	36	75	42	100,000
Ghana	2013	18	33	17	42,000
Guinea	2017	18	28	0	9,700
Kenya	2017	51	69	33	160,000
Morocco	2017	33	39	18	140,000
Mozambique	2017	32	25	12	25,000

Lead Paint Studies in Africa (cont'd)

Countries	Study Year	No. of Paints	% Above 90 ppm	% Above 10,000 ppm	Highest Lead Level (ppm)
Nigeria	2017	54	74	54	160,000
Senegal	2009	21	86	19	29,700
Seychelles	2009	28	68	43	No data
South Africa	2009	29	38	31	195,000
Sudan	2017	25	64	28	71,000
Tanzania	2017	46	46	22	84,000
Togo	2017	27	30	7	42,000
Tunisia	2013	30	70	27	170,000
Uganda	2017	30	67	37	150,000
Zambia	2017	39	36	18	120,000

Eliminating Lead Paint in Zambia

CEHF/IPEN Activities in Zambia

CEHF/IPEN lead paint study in Zambia: Africa Project Replication Activities

- Paint brand survey on decorative paint brands in Zambia to assess solvent based paint brands sold in the Zambian market
- Purchase paints and prepare samples of purchased paints for analysis of lead content
- Paint study report publicly released in October 2017
- Outreach to Government, Paint Industry and other stakeholders
- Promote national stakeholders dialogue on national regulation on lead in paint



The Campaign in Zambia

Summary findings and status of regulations/standards in Zambia

- 14 out of 39 analyzed solvent-based paints for home use (36 percent of paints) were lead paints, i.e., contained total lead concentrations above 90 parts per million (ppm, dry weight of paint)
- 7 out of 39 paints (18 percent of paints) contained dangerously high lead concentrations above 10,000 ppm
- The highest lead concentration detected was 120,000 ppm in an orange-colored Prozam Paint
- The Standards Act No. 416 of the laws of Zambia under the Bureau of Standards has no standard for lead in paint
- The result of this study will serve as guidance in the development of regulations to phase out lead in paint in Zambia



Standards and Regulations Restricting the Use of Lead in Paint

UN Environment Model Law

- Basis of legal limits is 90-ppm total lead for all paints
- Provides opportunities for public information and stakeholders consultation in developing national laws
- Establishes enforcement mechanisms to promote compliance and sets clear consequences for non-compliance
- UN Environment Toolkit for Establishing Laws to Control the Use of Lead in Paint
(<http://web.unep.org/chemicalsandwaste/noleadingpaint/toolkit>)

The Standard Limit: 90 ppm Total Lead

The Standard: 90-ppm Total Lead Limit

- Strictest limit in the world today and can be considered as “best environmental practice”
- Recommended standard by UN Environment and IPEN
- Basis for established regulations in USA, Canada, Philippines, Nepal, India, and Cameroon
- Basis for draft regulations (in advanced stages) in Ethiopia, Kenya and Tanzania
- Endorsed standard by more than 20 African Governments in 2015-2016
- Confirmed to be technically feasible for all paints by paint manufacturers in low- and middle-income countries



References

- Childhood Lead Poisoning, World Health Organization (<http://www.who.int/ceh/publications/leadguidance.pdf>)
- Economic Costs of Childhood Lead Exposure in Low-and Middle-Income Countries, an Interactive Map (<https://med.nyu.edu/pediatrics/research/environmentalpediatrics/leadexpo-sure>)
- Global Alliance to Eliminate Lead Paint (Lead Paint Alliance) (<http://www.unep.org/chemicalsandwaste/what-we-do/technology-and-metals/lead/lead-paint-alliance/objectives>)
- Global Lead Paint Report, IPEN (<http://ipen.org/documents/lead-solvent-based-paints-home-use-global-report>)
- Lead in Solvent-based Paints for Home Use in Africa (<http://ipen.org/documents/africa-lead-paint>)
- Lead Levels in Paint Around the World, an Interactive Map (<http://ipen.org/projects/eliminating-lead-paint/lead-levels-paint-around-world>)
- Lead Paint Elimination Project in Africa (<http://ipen.org/projects/africa-project-2014-2016>)
- Toolkit for Establishing Laws to Control the Use of Lead in Paint (<http://www.unep.org/chemicalsandwaste/noleadinpaint/toolkit>)



THANK YOU!



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mmusenga@yahoo.com



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