



环境保护部固体废物与化学品管理技术中心

Update and Next Steps in Promoting Elimination of the Use of Lead Paints in China

Solid Waste and Chemicals Management Center
Ministry of Environmental Protection of China

13 September 2016

1. The Status of Lead Paint in China and its Regulations

2. Project Background & Main Content

3. Research Methods & Planned Activities

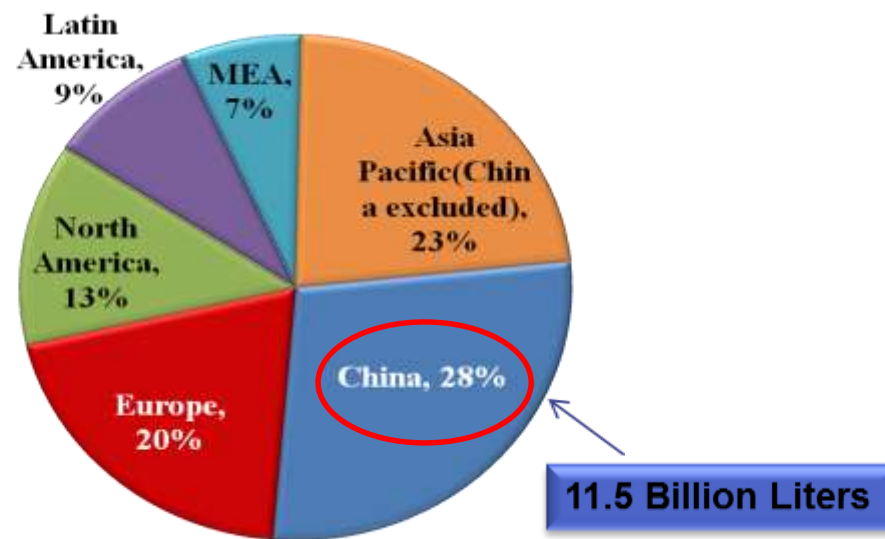
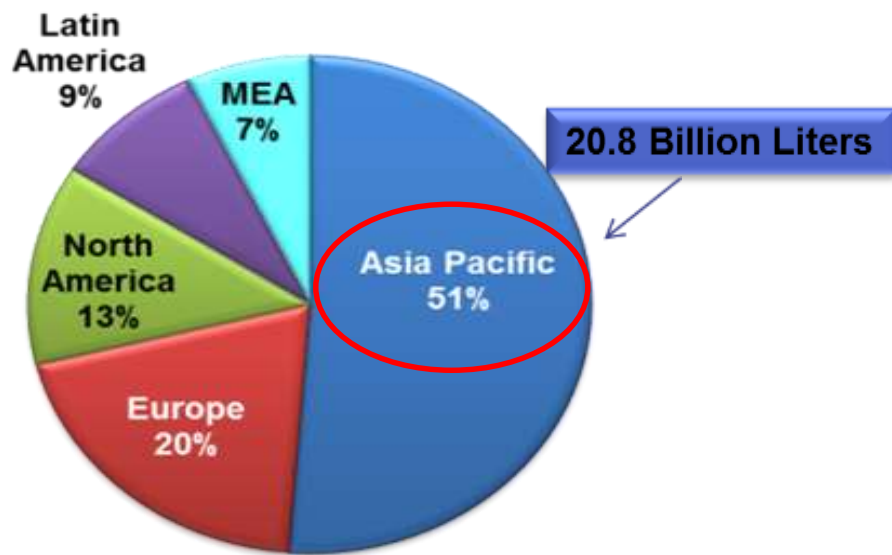
4. Project Progress

5. Next Steps of the Project

1. The Status of Lead Paint in China and its Regulations

General situation of lead paint in China

In 2015, the total volume of Global Coatings Industry is 41 Billion Liters.
The Asia Pacific weights 51% of the total volume and China is around 28% out of it.
The Chinese coatings output was 17.17 million tons in 2015.
(Reference: China Coatings Industry Operation in 2015 and Trend Forecast)





1. The Status of Lead Paint in China and its Regulations

Policies and regulations to eliminate lead paint

Ministry of Industry, Ministry of science and technology and Ministry of Environmental Protection, Catalogue of the toxic and harmful raw materials (products) substitutes encouraged by the state(2012 Edition)

Ministry of Environmental Protection, “High Pollution and High Environmental risk” Product Catalog (2013 Edition)

Ministry of Industry ‘The Elimination of Backward Production Technology and Equipment and Product Guidance Catalogue (2010 Edition)’ and Development and Reform Commission ‘Industrial Structure Adjustment Guidance Catalogue (2011 Edition)

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Project Background & Objective

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Background

- **Governing Council decisions and UNEA Resolution 1/5 Chemicals and Waste VI (June 2014) on lead and cadmium**
- **The goal of the Global Alliance to Eliminate Lead Paint**

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Objective

- **Minimize and ultimately eliminate the manufacture, export, import, sale and use of decorative lead paint in China by promoting the elimination of the use of lead paints in China**



Contents & Expected Outputs

1. Conduct studies to better understand impacts on lead paint, location and risks to human health and the environment in China based on the market analysis and analytical testing of paint samples

1. China national market surveys report available

2. Promote knowledge sharing in China and South-South cooperation on lead paint elimination efforts through outreach to paint manufacturers and brand holders in China and general public in China and between African countries

1. At least 10 manufacturers and brand holders attend outreach activities
2. Information in relation to paint elimination efforts in African countries and China shared during a “south-south cooperation” coordination workshop

3. Contribute to the control of lead paints in China by the drafting and proposing of national legal or regulatory framework instrument

1. Drafted and proposed national law, regulation or decree that will ban or control the manufacture, import, sale and use of lead decorative paints

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3. Research Methods & Planned Activities

(1) National market survey of lead paints

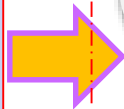
Data Research Content

- Survey on Lead paint production enterprises: Lead paints manufacturing process and lead emissions; the addition of lead compound and its effects; The usage of lead paint and the lead content in interior architecture paints; The capacity, output, scale, and distribution of interior architecture lead paints enterprises; The export and import of interior architecture lead paints

3. Research Methods & Planned Activities

(2) Market analysis and sample testing

**Categories
determination**



Paint brand

15 lead paint brands are chosen based on the distribution and scale of the lead paint enterprises

Paint category

Interior architecture paint (√) 、 wood paint (×) 、 children paint (×)

Paint color

Public preference : white, red, yellow and green

Testing index

Total lead

Paint source

Purchasing from market



3. Research Methods & Planned Activities

(3) Awareness raising and outreach activities

- Organize a “south-south cooperation” coordination workshop between African countries and China in relation to the initial results of the paint elimination project; its lessons learnt from African countries which have already initiated activities and the follow-up actions;
- Develop detailed national lead paint awareness raising strategies in China;
- Consultation with appropriate government agencies on the testing data results;
- Develop and disseminate awareness raising materials on lead to stakeholders;
- Carry out outreach activities to civil society, paint industry and national paint manufacturers.

3. Research Methods & Planned Activities

(4) Drafting and proposing of national legal or regulatory framework instrument

China lead paint market status

China lead paint management status

Management demand analysis

Draft and propose of national legal or regulatory framework instrument, such as amending interior architecture standards, amending Catalogue for Guiding Industry Restructuring and developing the lead pollution and prevention management policy of paint industry

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4. Project Progress

Finished:

- ✓ **Initial project coordination workshop, Apr. 25-27, 2016, Beijing**
- ✓ **Teleconference**
- ✓ **Data Research**
- ✓ **Paint production enterprises survey**
- ✓ **Proposed sampling plan**
- ✓ **Attending East Africa Workshop, and sharing information on project progress**

4. Project Progress

Initial project coordination workshop, Apr. 25-27, 2016,
Beijing

- ✓ Preliminary established implementation plan
- ✓ Assigned participants and their tasks



4. Project Progress

Paint production enterprises survey





4. Project Progress

Sample collection

Category

Samples are purchased from retailers. The determination of brands considers the distribution and scale of interior architecture paint enterprises

Collection

15 brands of interior architecture paints, 4 colors of each brand, 1 color of each sample, and total of 60 samples to be tested

4. Project Progress

sample collection



4. Project Progress

sample collection



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5. Next Steps of the Project



5. Next Steps of the Project

✓ **Laboratory analysis**

Total lead testing

Parallel testing of two lab on 60 paint samples

National Research Center for Environmental Analysis and Measurement

National Quality Supervision Testing Center for Paint

Testing method: GB 24408-2009 Appendix E



5. Next Steps of the Project

The 11th International Conference on Waste Management and Technology, Oct.21-Oct.24, Beijing, China.

Activity: side event

China Coating Annual Conference 2017

Activity: Disseminate awareness raising brochures in China Coating Annual Conference

Organize a workshop, inviting China coating association, manufactures, local management department and other stakeholders, to publicize elimination of lead paints and increase national awareness in China about the hazards associated with exposure to lead giving special emphasis to lead paint

Assist UNEP to organize “south-south cooperation” coordination workshop



5. Next Steps of the Project

- ✓ **Compile and finalize national market survey report**
- ✓ **Assess existing national legal or regulatory framework in China and drafting option papers outlining possible elements of the legal and regulatory framework**



THANK YOU !