



The Elimination of Lead in Paint – how countries can take action International Lead Poisoning Prevention Week of Action

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Presentation

Lead poisoning health effects

Children's vulnerability

Lead poisoning prevention week Background & Objectives Activities & Materials Events registration WHO website and materials





Lead poisoning health effects

Lead is a cumulative toxic that affects multiple body systems;

Children are particularly vulnerable;

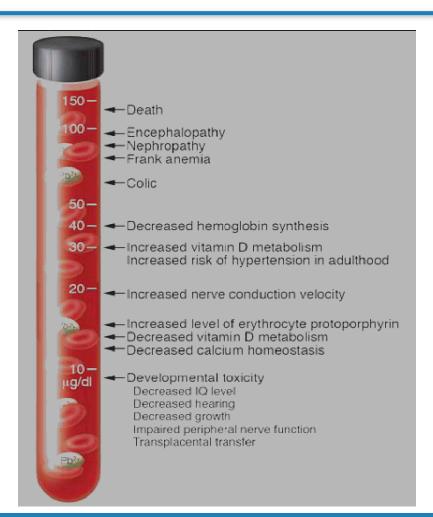
600,000 new cases of children with intellectual disabilities per year associated with childhood lead exposure;

143,000 deaths and 0.6% of the global burden of disease in 2004 associated with lead exposure.





Health effects by blood lead level



FAO/WHO Expert Committee on Food Additives (2010): "no threshold level below which lead causes no injury to the developing human brain"*

CDC (2013): "no safe blood lead level (BLL) in children has been identified."**



Children's vulnerability

Increased risk of exposures

- Prenatal exposures
- Higher food/water intake per Kg body weight
- Hand to month behavior
- Household confinement
- Nutritional deficiencies increased lead absorption
- Neuronal development and longer future life
- Lack of control of environmental circumstances

Biological susceptibility

- Brain development
- Genetic alterations
- High gastro intestinal absorption
- High inhalation per body weigh rate
- Immune system development



International lead poisoning prevention week of action

- Lead Paint Alliance identified a lead poisoning prevention awareness campaign as a key activity area
 - supported by International Conference Chemical Management
 - last full week of October (Sunday-Saturday)
 - first campaign 2013
- Lead Poisoning Prevention Campaign aims to:
 - raise awareness about lead poisoning
 - highlight efforts to prevent childhood lead poisoning
 - urge further action to eliminate lead paint
- Campaign week is supported by Lead Paint Alliance partners





Third international lead poisoning prevention week of action

- 25-31 October 2015
- Lead Paint Alliance partners providing customisable materials for use in local campaigns
- Visual materials
 - posters, icons, web banners in Chinese, English, French, Russian and Spanish
- Information materials
 - Q&As, fact sheets in 6 UN languages





Examples of activities from previous

campaigns

Caribbean Poison Information Network (CARPIN) collaborates with the World Health Organization (WHO) in celebrating

INTERNATIONAL LEAD POISONING WEEK

Educational events

- lead-awareness stand in a shopping area
- technical meetings / webinars to discuss health effects of lead and alternatives to lead in paint
- school education session and competition to develop slogans

Declaration that action has been taken

- introducing control measures on lead paint
- joined Global Alliance to Eliminate Lead
 Paint
- painting a school with lead-free paint









Activities from previous campaigns

- Providing information on lead paint
 - IPEN report published on the results of study of lead paint in selected countries
 - interview with legislators working on new regulations
 - newspaper articles on the hazards of lead, lead poisoning prevention and the need for regulatory controls
- Art events
 - drama / dance to convey messages about lead
 - art competition









Study finds lead dust a real threat to children

Himalayan News Service

A study commissioned by the Centre for Public Health an Environmental Developmer in association with the Eurpean Union has found present of excessive amount of lead to the Kathmandu Valley an Dharan.

off the Kathmandu vaney am Dharan.
Kishundeo Mehata, assistan professor at the Department of Biochemestry, BP Koriral Instit aran, who is also a lead re searcher said. "Lead conten was detected in 74 per cen and 91 per cent of under-1: children in the schools of Kathmandu and Dharan re spectively."

hthmandu and 308 in Dharan.

s said the 'National Report

1 Lead in Household and

thool Dust' will be released

morrow in Kathmandu amid

function, coinciding with

ternational Lead Poisoning

evention Awareness Week

tctober 19-25).

"Lead exposure can occur

"Lead exposure can occur

"Lead exposure can occur

According to the World Health Organisation, 0.6 p cent of global burden of d ease is caused by lead ex

fering from intellectual dis abilities due to lead exposure is found

Around 99 per cent of children affected by high exposure to lead belong to low

from contact with invisible lea in air, dust and water. Childre are more vulnerable to lea poisoning. Blood lead level more than 5µg/dL is a lev of concern and is enough t damage their physical, ment and intellectual growth," Mehi

Lead's main source is a variety of products including ce ramics, pipes, gasoline, batter ies, cosmetics, bulbs, buildin

decorative items.
Ram Charitra Sah, Executive
Director, CEPHED, described
lead as one of many harmfu
chemicals and of major publihealth concern which require
action to protect the health o
workers, children and womer

of reproductive age.
According to the WHO, 0.0
per cent of global burden of dis
ease is caused by lead exposure.
Every year, nearly 600,000
new cases of children suffering
from intellectual disabilitie
due to lead exposure is found
whereas about 99 per cent o
children affected by high expo
sure to lead belong to low and
middle income countries. Leae
enters our bodies largely
enters our bodies largely

and absorption.
Sah informed that the Ministry of Health and Population the World Health Organisation EU and CEPHED have Joine hands with all the stakeholden especially the Department c Education, schools organisations and entrepreneurs, to prevent children from leapoisoning and increase aware ness about childhood leapoisoning and increase aware ness about childhood leapoisoning.



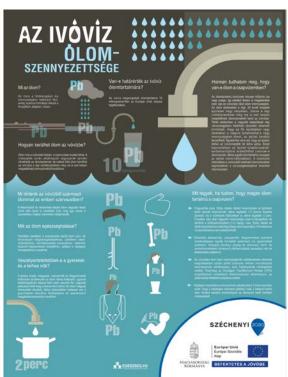




Lead poisoning prevention campaign materials



http://www.who.int/ipcs/assessment/public_health/pb_campaign/en/index.html







who suffer from malnutrition, which is pr

untries. Nevertheless, lead in paint is pre-



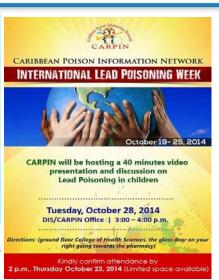




✓ Kërko boira pa plumb. Alternativat ekzistoinë

Lead poisoning prevention campaign materials (cont.)















LIBRE DE PLOMO MULTIMEDIA GRÁFICA DESCARGABLES AUDIOS





Brazil 2015

- Fantástico TV show October 4th 2015 - INMETRO results of lead in paint analysis
- g1.globo.com/fantastico/noticia/2015/10/inmetroreprova-duas-marcas-de-tintas-com-presencade-chumbo.html
- INMETRO report:

www.inmetro.gov.br/noticias/verNoticia.asp?seq_noticia=3735

Ministry of Environment



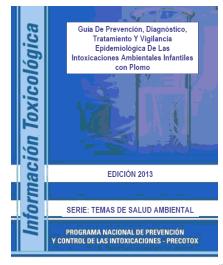
Tabela 3 – Resultado do Ensaio de Concentração de Chumbo – Pb – Esmalte Sintético (Valor de referência 0.06%)					
Marca	Fabricante/ Importador	Tipo	Cor	Concentração de Pb (%)	Resultado
Alessi	Tintas Alessi Ltda	Premium	Amarela	< 0,0005	Conforme
			Vermelha	< 0,0005	
			Preta	< 0,0005	
Coral	AkzoNobel	Coralit	Amarela	< 0,0005	Conforme
			Vermelha	< 0.0005	
			Laranja	< 0,0005	
Dacar	Dacar Química do Brasil S.A	Standard	Amarela	< 0.0005	Conforme
			Vermelha	< 0.0005	
			Laranja	0.0007	
	Tintas Eucatex	Eucalux Premium	Amarela	< 0.0005	Conforme
Eucatex			Vermelha	< 0.0005	
			Laranja	< 0.0005	
-	Killing S/A Tintas e Abrasivos	Bellacasa	Amarela	0.0032	Conforme
Killing			Vermelha	< 0.0005	
			Laranja	0.0016	
	Luztol Industrial Química Ltda.	Standard	Amarela	0,092	Não Conforme Conforme
Luztol			Vermelha	0,0013	
			Laranja	0,072	
Renner	PPG Industrial do Brasil	Extra rápido	Amarela Vermelha	0,0008 0.0005	
Kenner			Laranja	< 0.0005	
Resicolor	Resicolor Indústria		Amarela	0,052	Conforme
	de Produtos	Standard	Vermelha	0,0009	
	Químicos Ltda		Laranja	0,0016	
Sherwin	Sherwin-Williams	Novacor	Amarela	0,0042	Conforme
Williams			Vermelha	0,0034	
			Laranja	0,0008	
Suvinil	Basf S.A	Premium	Amarela	< 0,0005	
Suvilli			Vermelha Laranja	< 0,0005 < 0,0005	
-	Unilar.Ind.Com.Tint as	Esmalte Sintético	Amarela	12.2	Não Conforme
Unilar			Vermelha	7,8	
			Laranja	10.1	
	Universo Tintas e Vernizes Ltda.	Premium	Amarela	< 0.0005	Conforme
Universo			Vermelha	< 0,0005	
			Laranja	< 0,0005	



Toxicology Association of Argentina

Teleconference on October 27th 2015

- Case studies of contaminated sites – different sources of exposures;
- Focused on children environmental health;
- Work of chemical analysis laboratories;
- Well attended by clinical related professionals.



Presidencia de la Nación



Plombemias niños Barrio Ampliación Nuestro Hogar III

ango de plombemias: < 3,5 a 19 ug/dl.

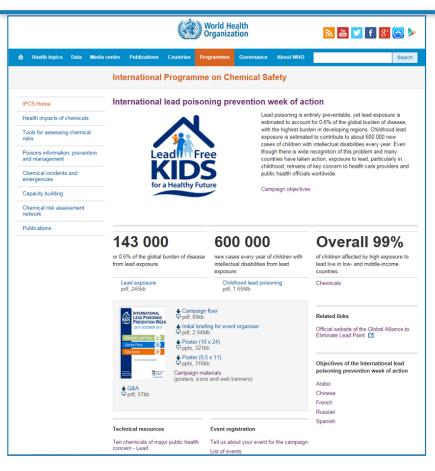
Programa de





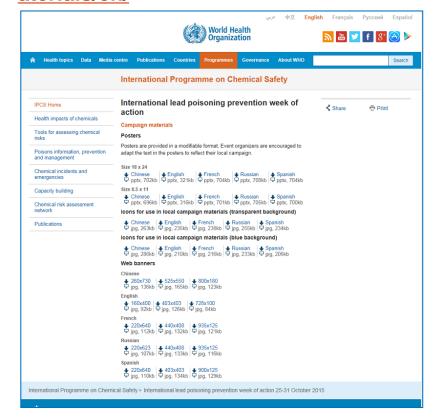


Materials available from WHO website



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

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

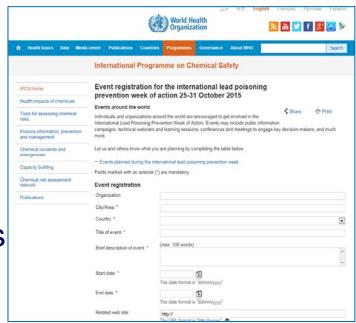






Register your campaign

- What are you going to do?
- Register your event on the WHO webpage
- See who else is organising events in your area and consider joining forces
- Use Lead Paint Alliance materials
 - multiple events using same icons and messages increases the global impact of the campaign



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



Donors & supporters

- German Ministry of the Environment, Nature Conservation, Building and Nuclear Safety
- IPEN
- US Environmental Protection Agency (EPA)
- US Centers for Disease Control and Prevention (CDC)
- United Nations Environment Programme (UNEP)
- Pan American Health Organization, World Health Organization HQ and Regional Offices
- And many national and local organizations



Thanks for your attention

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