

SOURCES OF LEAD EXPOSURE

Brenda Bass, REHS

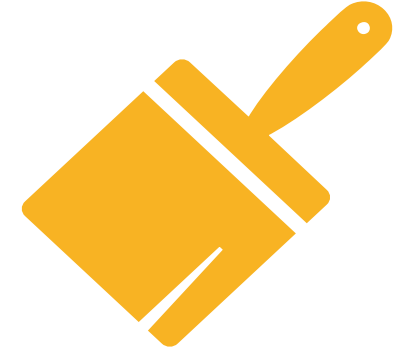
Regional Environmental Health Specialist

Children's Environmental Health

PAINT



1940 Dutch Boy White Lead Paint Advertisement



Selling quality!

April 1949 ad in Better Homes and Gardens.

Bright white blend to clean itself!

Dutch boy bright white is specially blended to be self-cleaning.

The surface continually renews itself – permits rain to wash away dirt. Gives a dazzling white finish that stays white.

Caps Off! to BLENDED Paint for Lasting Beauty!

To keep Your Home Bright My Paint's **Blended** Right... Ready-mixed, in Colors or White!

Bright as the "Dutch Boy's" bright blue cap ... sparkling as the sun on his golden hair ... lasting as his cheery smile ... that's "Dutch Boy," the Paint with the Happy **BLENDING!**

Why is "Dutch Boy" Paint **BLENDED**? Because different parts of a house call for different types of paint.

And blending brings you the right combination of the right ingredients to do each job right ... blended by the master hand of the "Dutch Boy," whose fame as a paint-maker is nation-wide.

So choose ... from White or Tints, Trim Colors, Porch & Deck Paint, or Primer ... the "Dutch Boy" Paint that's **blended just right to KEEP your home bright!**

Look for your "Dutch Boy" Dealer's name in your classified telephone directory. Mail the coupon for free booklet.

1. BRIGHT WHITE Blended to Clean Itself!
"Dutch Boy" Bright White is specially blended to be self-cleaning! The surface continually renews itself ... permits rain to wash away dirt. Sets a new standard for hiding! Gives a dazzling white finish that stays white!

2. TINTS Blended to Stay True!
"Dutch Boy" Tints are beautifully crisp and fresh ... and they're expertly blended to assure lasting, uniform color!

3. TRIM COLORS Blended to Stay Bright!
"Dutch Boy" Sash & Trim Colors add the finishing touch to your home's protection. They're blended to hold their bright, gay gloss! Wonderful for garden furniture, too!

4. PORCH & DECK Blended to Stand Wear!
"Dutch Boy" Porch & Deck Paint is blended for extra toughness. Its toughness at punishment from foot traffic and weather!

5. PRIMER Blended to Seal, Hide and Hold!
An undercoat of great sealing and hiding power, that holds fast. When used under a topcoat of "Dutch Boy" Bright White or Tints you get a superior two-coat job...even on unprepared wood!

FREE Color-Scheme Booklet!
Over 40 full-color illustrations show you how to style your home for **Blended Beauty** with the new "Dutch Boy" Paints. For your free copy, address D391, 40, copy of its nearest office listed below.

MAIL COUPON TODAY!

NATIONAL LEAD COMPANY,
Dept. 49 (Address nearest office: New York 6; Buffalo 3; Chicago 3; Cincinnati 3; Cleveland 13; Pittsburgh 12; St. Louis 1; San Francisco 19; Boston 4; Cincinnati Lead Co. of Mass.); Philadelphia 21 (John T. Lewis & Bro. Co.).

Please send me a free copy of your new color-illustrated booklet: **"Blended Beauty For Your Home."**

Name _____
Address _____
City _____ Zone _____ State _____

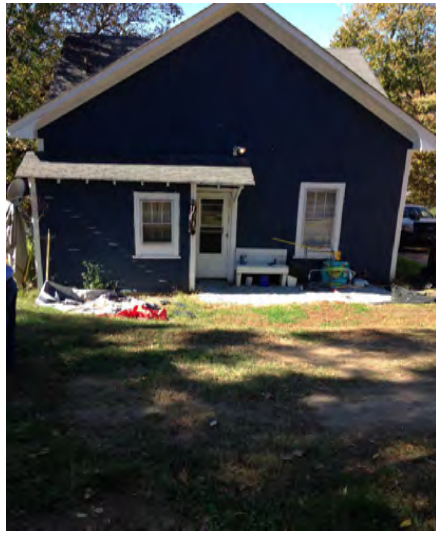
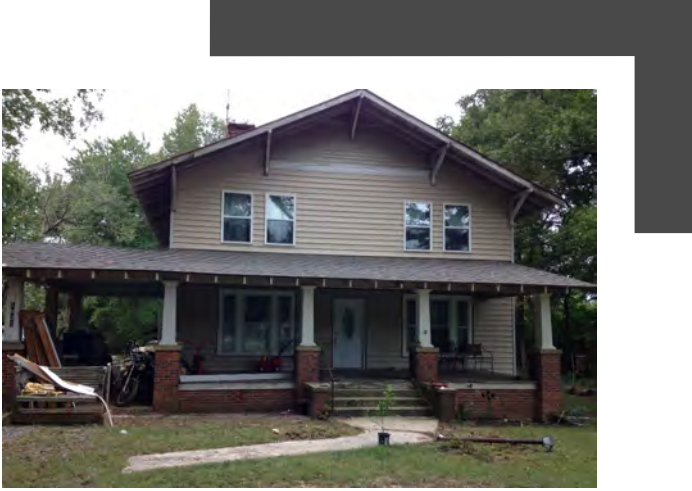
National Lead Company

BETTER HOMES & GARDENS, APRIL, 1949

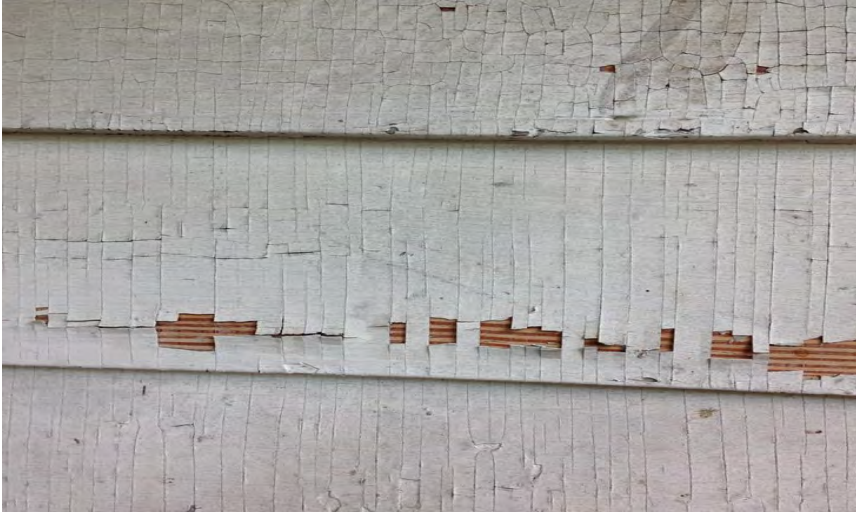
HOW BIG IS THE PROBLEM?

The Department of Housing and Urban Development estimates that roughly 35 percent of U.S. homes contain some lead-based paint.

<https://blog.gao.gov/2018/06/20/lead-paint-in-housing/>



LEAD BASED PAINT



FOUNDATION AREAS AND THE DRIPLINE





SOIL



DUST

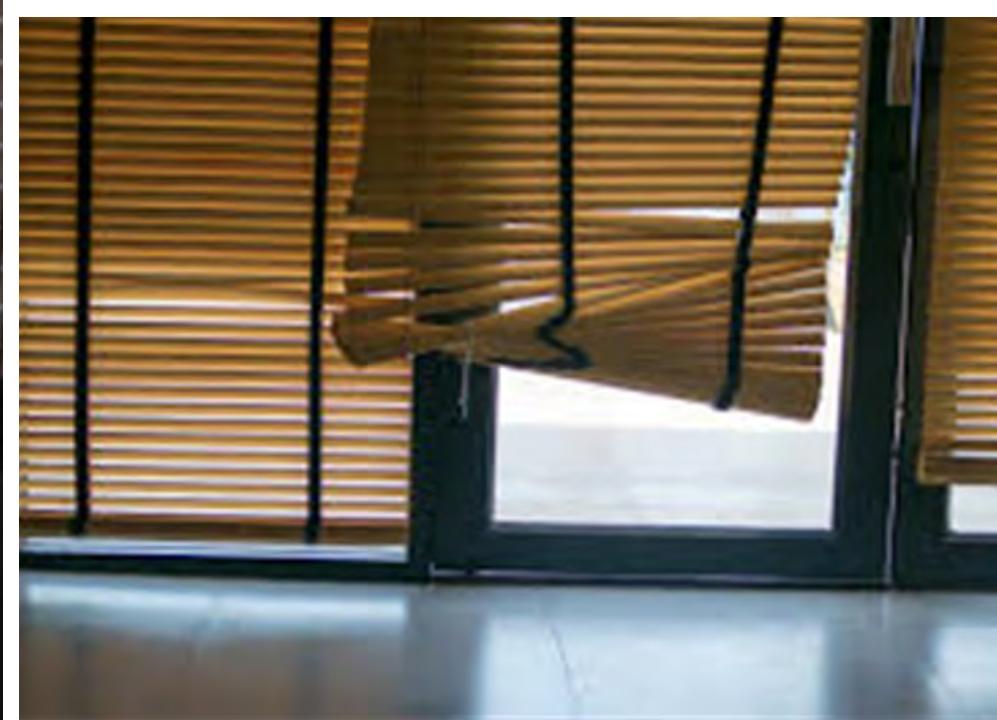


WATER





VINYL
MINIBLINDS



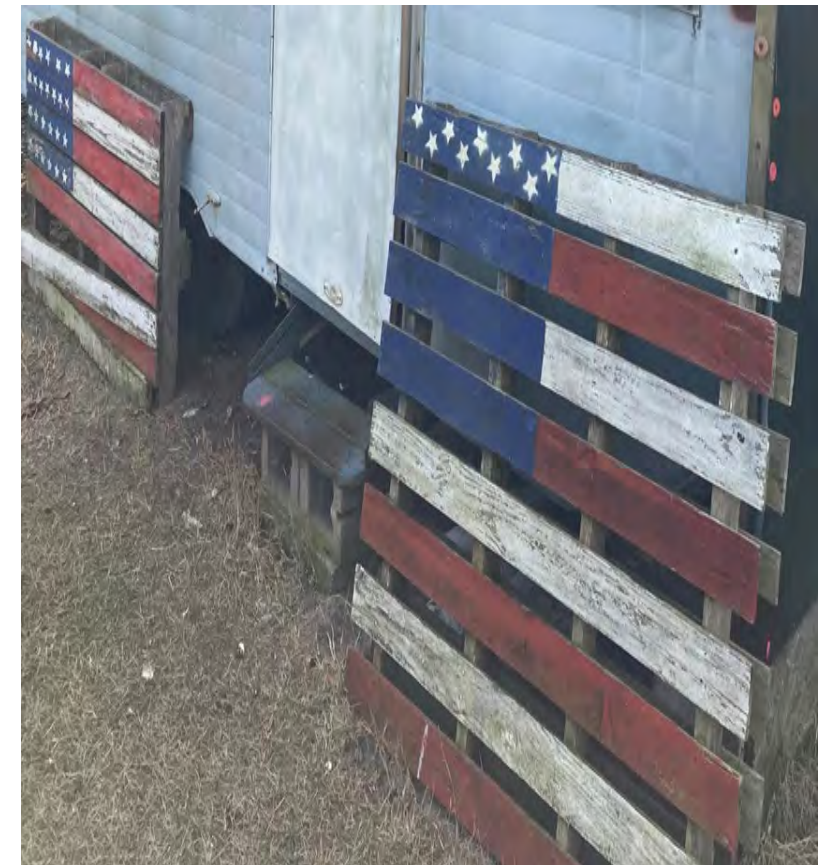
EMERGING SOURCES

REPURPOSED FLEA MARKET HAZARDS





RECLAIMED, REFURBISHING AND HOBBIES



METAL ITEMS



FIGURE. Medallions from recalled toy necklaces that were sold in vending machines in Oregon and linked to lead poisoning



Photo/Oregon Department of Human Services



Lead Poisoning from Ingestion of a Toy Necklace --- Oregon, 2003

MMWR June 18, 2004 / 53(23);509-511

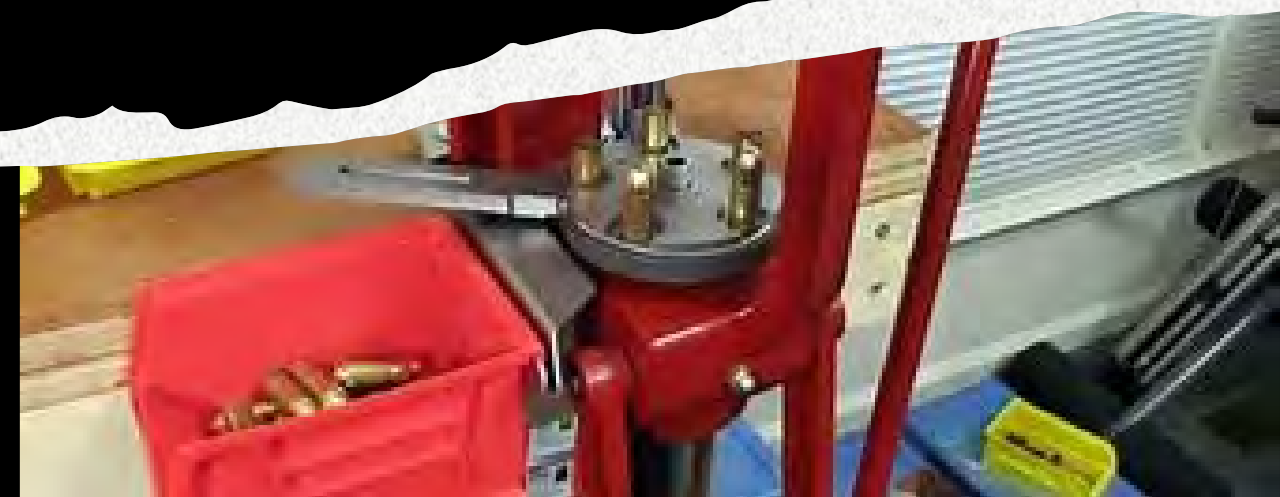


DIY RENOVATIONS





BULLETS, PELLETS, AND TACKLES







DULCES TÓXICOS

Fuerzas armadas de seguridad del estado de California y de los Estados Unidos han detectado niveles peligrosos de plomo en 12 dulces de diferentes marcas. La mayoría de estos dulces están hechos en México. Uno de cada cuatro dulces y otros muchos que venden los puntos de venta de plomo desde 1994, de acuerdo a resultados. Presentamos esta información a los niños de Estados Unidos y investigadores de salud.

DULCES QUE RESULTARON CON NIVELES PELIGROSOS DE PLOMO

Rank	Dulce	Nivel de Plomo (ppm)
1	Tama Roca	10.0
2	Bolirindo	10.0
3	Chaca Chaca	10.0
4	Vero Rebenditas	10.0
5	Pelo Pelo Rico	10.0
6	Tablarindo	10.0
7	Serpentinas	10.0
8	Vero Mango	10.0
9	Bringuites	10.0
10	Bolito de Tamarindo (Dulmas)	10.0
11	Lucas Limón	10.0
12	Margarita Dulce de Tamarindo	10.0
13	Pica Limón	10.0
14	Lucas Acólito	10.0

www.fox.com/investigation/lead/

TOXIC TREATS

TOYS

Chewing, sucking on or swallowing toys or jewelry that contains lead will expose a child to lead.



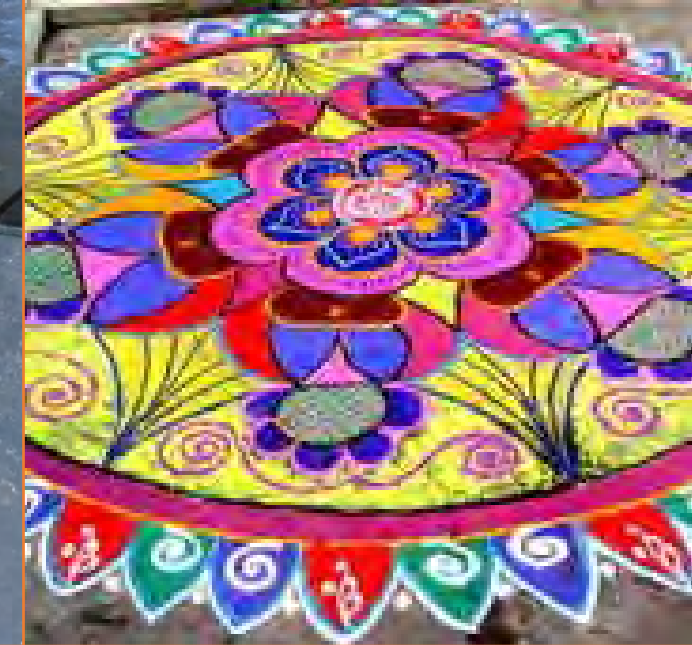
LEAD-GLAZED CERAMICS





SPICES, COSMETICS AND ART

- Painted items and works of art
- Indian Folk art (rangoli)
- Turmeric,
- Sindoor and
- facial cosmetics



LEAD

IN SPICES AND OTHER CULTURAL ITEMS

Some spices, herbal remedies, ceremonial powders, and cosmetics may contain lead, especially those imported from India, Asia, Mexico, and the Middle East.

Lead poisoning can cause decreased IQ, attention-related deficits, hearing impairment, kidney disease, and delayed growth and development in children.

whole chilies



ash powder (Vibhuti)



kum kum



kajal



SPICES:

- Anise Seeds
- Asafoetida
- Chili powder/ whole chilies
- Cinnamon
- Cloves
- Coriander
- Cumin
- Curry powder
- Dagar Phool (stone flower)
- Garam Masala
- Ginger
- Hungarian Paprika
- Kabsa Mix
- Seven Spices Mix
- Turmeric

HERBAL TEAS AND REMEDIES:

- Ash powder
- Azarcon
- Balguti Kesaria
- Bali Gali
- Ghasard
- Greta
- Kandu
- Mojhat ceremonial drink
- Pay-loo-ah

CEREMONIAL POWDERS:

- Ash powder (Vibhuti)
- Kum kum
- Incense
- Pooja powder
- Rangoli

COSMETICS:

- Kohl
- Kajal
- Sindoor
- Surma

Prevent LEAD Poisoning



- ▶ Get your child tested for lead at the local health department or doctor's office.
- ▶ Buy spices locally, rather than overseas. Domestic products have stricter safety standards and are more likely to have been screened for heavy metals.
- ▶ Do not use products sent from other countries by family or friends.

Additional resources available:



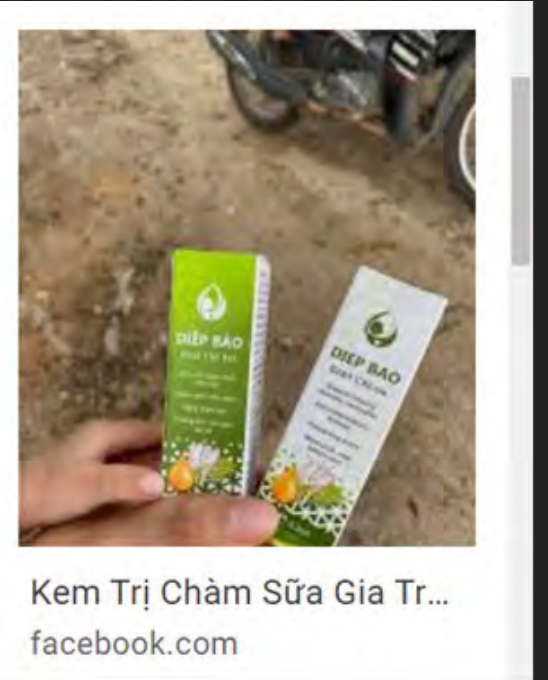
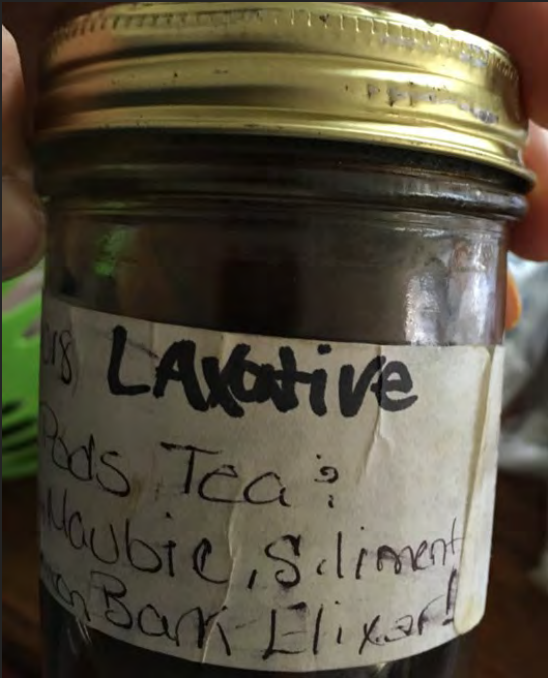
<https://nchealthyhomes.com/>



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HOME REMEDIES AND IMPORTED MEDICINE



Kem Trị Chàm Sữa Gia Tr...
facebook.com

FDA warns consumers not to use Balguti Kesaria Ayurvedic Medicine due to high levels of lead

FDA lab finds lead, arsenic and mercury in “Balguti Kesaria”

An FDA laboratory analyzed a sample of “Balguti Kesaria” and confirmed it contained lead in addition to arsenic, and mercury. FDA continues to warn parents and caregivers to not use this product. Exposure to these heavy metals could lead to serious adverse health effects.

www.fda.gov



TAKE HOME DUST

- If occupation is a potential source of exposure, then consider dust from work shoes, car (mats, seats), entry mat(at door), furniture.
- Also, hobbies— like glass staining, remaking bullets, metal working, refurbishing furniture.



QUESTIONS

