



Your Health & the Environment

-Toys that are made out of soft plastic and chewed on by children can leach out plasticizers

-Water can be contaminated by a many sources

Inhalation:

-Household products can off-gas phthalates

Skin Absorption:

(research suggests that this is the least common exposure route)

-Clothing made of plastic or vinyl

-Nail polish which uses plasticizers to keep it from cracking

-Medical tubing (infants in neonatal intensive care nurseries, dialysis patients, blood bags)

not relevant to humans.”

On the other hand, new studies are beginning to shed light on potential human health effects of phthalate exposure. This research has persuaded Europe to regulate phthalates based on the Precautionary Principle . (see Precautionary Actions below)

“Research suggests that exposure to phthalates can cause reproductive and respiratory health effects.”
Phthalate Analysis in Household Air Freshener (A. Turner, 2004)

In fall 2005, Europe permanently banned the use of six types of phthalates (DEHP, DBP, BBP, DINP,

We hope to study a new cohort to validate our findings. We will also be analyzing our data to learn more about sources of mothers and babies phthalate exposure. We will be working with colleagues to

OTHER NEWS

**Center for Science Education and Outreach
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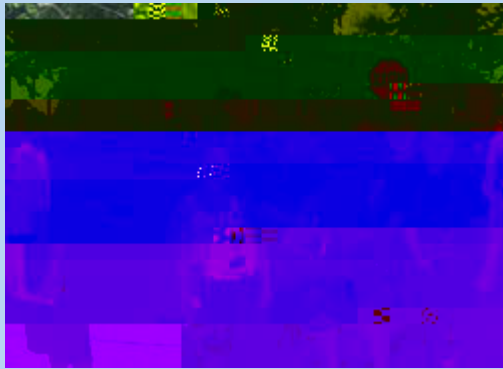
CENTER FOR SCIENCE
EDUCATION AND OUTREACH NEWS

**Community Outreach and Education
Programs**

Get the Lead Out (GLO) Project:

Outreach Project Finds Extensive Lead

Over 800 Monroe County children are lead poisoned each year. Lead poisoning is most serious for children six years and younger, potentially damaging the child's central nervous system, kidneys and other organs. Even low levels of lead are harmful and are associated with decreased intelligence, impaired neurobehavioral development, decreased growth and impaired hearing. The major source of lead exposure among U.S. children is lead-based paint and lead-contaminated dust found in housing built before 1978. Eighty-seven percent of Rochester's housing was constructed prior to 1950.



Interns/Volunteers: Veronica Siaca, Trey McCullough, Kazuko Sharp, Ann Walter, Obidi Ikpeze

Community Advisory Board

Composed of members of local Rochester-area community organizations, ~~our~~ Community

levels of

The European Union has imposed a ban on three types of phthalates in all children's products, and has banned three other types from use in mouthing products marketed for children under three. California is currently considering a similar ban. Several phthalates are contained in personal care products, and some