

# Health & Environment

## Connection

A publication of LocalMotion, a non-profit organization dedicated to "Better Health through Fewer Toxins"

Volume 5, Number 1 / Spring 2008

### Safe Lawns: National Mall Goes Organic

Portions of the National Mall in Washington D.C. are going "organic". SafeLawns.org, a non-profit organization dedicated to promoting natural lawn care and grounds maintenance, is maintaining two panels of the popular park with all natural techniques and without pesticides or synthetic fertilizers. The organization completely overhauled one section on the eastern end by tilling, adding compost, seeding, and topping the area off with a compost tea. This portion of turf will be irrigated through October 2008. SafeLawns is maintaining a second section of grass with core aeration, liquid compost, and seeding, but no irrigation. A third section, serving as the control, is being maintained without irrigation and using the same conventional techniques that the National Park Service has used in the past. The three panels of parkland opened to the public this April. SafeLawns will maintain the two areas of the park at no cost through August 2009. To learn how to maintain your own patch of turf without pesticides or other harmful chemicals, Paul Tukey, founder of SafeLawns.org, has published a book, [The Organic Lawn Care Manual](#), with full color photographs and well organized content. [The Organic Lawn Care Manual](#) is available for sale or reference at LocalMotion's office (see back page). Or, call LocalMotion or visit our website: [www.local-motion.org](http://www.local-motion.org) for a list of lawn care professionals who can do the dirty work for you.

## Lawn Sign Update

Melissa Cooper Sargent

Popping up in yards this spring—even before the tulips and daffodils—are little white and green signs. Don't breathe in too deeply, though. Look closely and you will read "CAUTION," "Pesticide Application," "Keep Off Until Dry." The sign also includes an image of an adult and child walking a dog on a leash with a diagonal line across, indicating that this action is prohibited. In accordance with Michigan law, commercial applicators place these lawn markers at the entry point of a yard after a pesticide application. The pesticides used could be any number of chemicals. At this time of year sprays of 2,4-D are common, as are applications of imidacloprid or glyphosate. These chemicals are registered pesticides. Registered not because they are safe—it is unlawful to claim any pesticide is safe—but registered because they are inherently dangerous.

Pesticides are designed, developed, and customized to cause harm to living organisms. Humans and beneficial wildlife, although not the intended targets, are not safe from harm. Independent studies have linked 2,4-D (Weed B Gone and many weed and feed products) to cancer in children, adults, and pet dogs. Imidacloprid (Merit), a synthesized nicotine and chlorine based insecticide, affects the nervous system and is lethal to beneficial insects. Imidacloprid is a suspected culprit in the case of the missing honey bees. Glyphosate, the active ingredient in Round Up, has been shown to disrupt hormone functioning in developing fetuses and is linked to non-Hodgkins Lymphoma.

The lawn markers serve an important purpose of informing and warning

passers-by to avoid the sprayed areas. In recent years, however, as lawn care companies compete for your business, they have

also decorated these state-mandated signs with increasingly bolder and bigger slogans and logos—often times diluting the sign's original intent. But, an update of [State Regulation 637: Pesticide Use](#) calls for the lawn markers to include *only* the information required by the State. The cautionary statements and images will now also be printed on both sides of the sign. Over the course of over a year, LocalMotion, along with other health advocacy organizations and professional pesticide applicators, met in Lansing on a regular basis to provide input on updating the Rules for Reg. 637. LocalMotion supports the above improvements to the lawn care signs. The new Rules requiring double-sided printing and omitting advertising on lawn markers went into effect this past February. Notice the new signs and help children recognize them and avoid the area.



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# LAKE-FRIENDLY FERTILIZERS



Fortunately for Michigan gardeners, our soil is plentiful in phosphorus. Most lawns and gardens do not need any extra in order to thrive and bloom. To analyze your patch of earth, Michigan State University Extension offers soil testing and recommendations pinpointing your yard's specific needs. Kits are available through LocalMotion. (See back page).

Counties across Michigan are experiencing an overgrowth of plants and algae in local waterways. A major contributing factor is excess phosphorus. Even though phosphorus is no longer allowed in laundry soap, it still occurs in dish detergent and is a main component of lawn and garden fertilizers. These fertilizers reach our waterways by running off our lawns and sidewalks into storm drains or filtering through the groundwater. As a result, Macomb County officials are currently considering a ban on phosphorus in fertilizers. Bay County has already decided: phosphorus-containing fertilizers may not be sold or used within the county in order to protect Saginaw Bay.

Fertilizers with no or low phosphorus are easily identified when shopping in Wayne County or St. Clair Shores. In Wayne County neon green "Earth-Friendly Fertilizer" stickers tag the safer products. In St. Clair Shores, look for the bright yellow "Lake Safe Fertilizer" sticker. Remember organic ingredients nourish the soil over time and encourage beneficial organisms. Synthetic options deplete the soil of naturally-occurring beneficials. Also avoid products labeled "weed and feed" as this means the fertilizer contains pesticides.

## Three organic fertilizers with no phosphorous available locally:

**Clean Green (7-0-0):** made from soybeans; found at all English Gardens, Allemon's in Detroit (313-882-9085), Uncle Luke's Feed Store in Troy (248-879-9147), and other garden centers

**Corn Gluten Meal (9-0-0):** made by various companies; available at most garden centers; also serves to stop seeds from germinating (great for weed prevention)

**Renaissance Lawn Food (6-0-6):** made from soybean meal, hydrolyzed feather meal, potassium sulfate, and bone meal; available through Marshall Landscape (313-885-7272)

# GARDEN PRODUCTS RECALL

Scotts Miracle Gro Company has recalled four of its products found on store shelves:

**"Garden Weed Preventer + Plant Food,"**

**"Miracle Gro Shake 'n' Feed All Purpose Plant Food Plus Weed Preventer,"**

**"Scotts Bonus S Max Southern Weed & Feed And Fire Ant Killer,"**

**"Scotts Turf Builder Max Plus 2 Weed & Feed And Crabgrass Preventer"**.

U.S. Environmental Protection Agency issued a "stop sale, use or removal" order against Scotts for illegal, unregistered and misbranded pesticides. Scotts Lawn Service, the lawn care arm of the company, has also applied the unregistered ingredients to residential yards across the country through products such as: "Scotts Lawn Service Fertilizer with .28% Halts," "Scotts Lawn Service Fertilizer 0-0-7 Plus .28% Halts Pro," "Scotts Lawn Service Fertilizer 14-2-5 Plus .28% Halts Pro" and "Scotts Lawn Service Fertilizer 22-0-8 Plus .28% Halts Pro."

If you have purchased the recalled products, EPA recommends storing them in a safe, cool, and dry place until they have more information about the contents. Do not dispose of them down a drain or in the garbage. You may also contact Scotts or your local retail outlet. Verify recalled products by checking for EPA registration numbers: 62355-4, 538-304, 538-301, and 538-299. For questions regarding the products or the recall:

**EPA consumer hotline:** 888-838-1304 (9 a.m. - 4:30 p.m, Central Daylight Time)

**National Pesticide Information Center:** 800-858-7378 (6:30 a.m.-4:30 p.m., Pacific Daylight Time, including weekends)

**Regularly updated fact sheet:** [www.epa.gov/reg5rcra/ptb/news/](http://www.epa.gov/reg5rcra/ptb/news/)

**Information on pesticides:** [www.epa.gov/reg5rcra/ptb/pest](http://www.epa.gov/reg5rcra/ptb/pest)



# Greener Cleaners

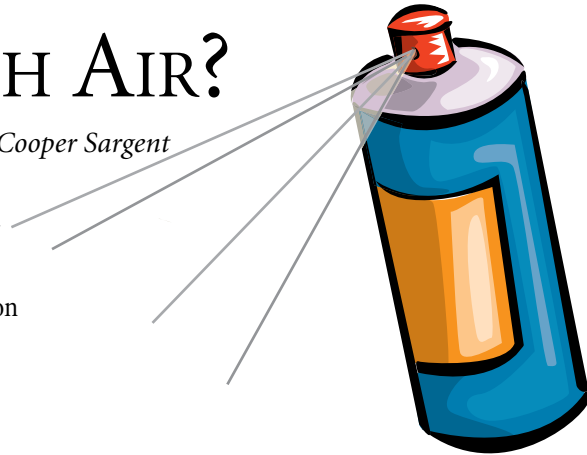
## FRESH AIR?

Melissa Cooper Sargent

Twelve of fourteen air fresheners commonly found on store shelves were found to contain phthalates (thal-ates), a class of chemicals linked to birth defects, asthma, and allergies. The Natural Resources Defense Council, the non-profit organization who conducted this independent study, tested air sprays, as well as solid and liquid air fresheners. The highest levels of phthalates (1,100 and 7,300 parts per million) were found in products marketed under the Walgreens label. Walgreens has since pulled the products containing Di-ethyl Phthalate (DEP) from their store shelves, vowing to reformulate them.

To avoid phthalates in your home and still remove odors, try absorbing them, instead of masking the smell with sprays or plug-ins. Strategically place throughout the house less harmful and less expensive tools, such as vented baking soda boxes or bowls of vinegar. The volcanic mineral, zeolite, is even more effective. The pebbles or granules can be placed in sneakers, closets, or anywhere you would use baking soda. To introduce pleasant smells naturally into your home, sprays containing essential oils can be easily made at home or purchased under brand names such as Uni Fresh or Orange-Mate. To remove stains and odors on furniture or carpet try Earth Friendly's Stain and Odor Remover or Seventh Generation's Carpet Cleaner

The use of phthalates is widespread in all synthetically scented products—not just air fresheners. The chemicals serve to dissolve and stabilize fragrances. Therefore, companies commonly rely on phthalates in the formulations of perfume, cologne, and other personal care products. By law, manufacturers of personal care products must disclose ingredients on the packaging or the product label. So why don't we see phthalates listed on bottles of perfume or scented lotions and shampoo? The specific ingredients used to create a fragrance are considered "proprietary" and do not have to be revealed. Spot the simple term "fragrance" on the outside of a bottle and phthalates and other chemicals are likely hiding inside. Be sure to check labels and opt for fragrance-free or unscented personal care products. When shopping for a naturally scented product, look for the words "essential oils of..." in parentheses after the word "fragrance". This indicates the fragrance is plant based and not synthetic. Also look for the USDA Organic Seal (not just the term "organic") on the label—this assures no synthetic ingredients.



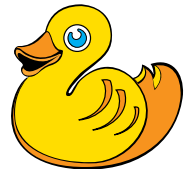
Besides its uses as a fragrance stabilizer, phthalates have multiple uses in manufacturing. Here are three more easy and important ways to avoid them in your home:

**Look for "DBP-Free" nail polish.** Phthalates have historically been used in nail polish to prevent chipping. However, more companies have been reformulating their products to work well without the phthalates. DBP is the acronym for Di-butyl Phthalate ([honeybeegardens.com](http://honeybeegardens.com); [nomiss.com](http://nomiss.com)).



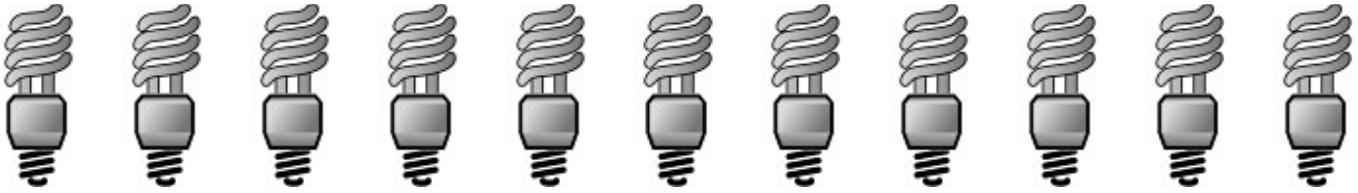
**Avoid PVC bath toys and teething toys.**

Phthalates are necessary to make PVC (vinyl) plastic soft and pliable. These products should never go in a child's mouth. PVC can be identified by the '3' inside the recycling chasing arrows symbol or by the "shower curtain liner" smell. PVC-free options: natural rubber duckies and teething toys ([parentingbynature.com](http://parentingbynature.com)), amber teething necklaces ([threesisterstoys.com](http://threesisterstoys.com)), and natural wood and organic cotton teething toys ([willowtreetoys.com](http://willowtreetoys.com); [treecitydiapers.com](http://treecitydiapers.com)).



**Replace vinyl shower curtains with 100% cotton, nylon, hemp, or linen.** Be sure to shake the curtain to remove excess water and pull the bottom of the curtain out of the tub to dry. Linen and hemp have natural mildew resistant properties. Cotton and nylon wash nicely in the machine for a periodic freshening ([www.gaiam.com](http://www.gaiam.com); [www.greenfeet.com](http://www.greenfeet.com)).





# CFLs 101

*Greg Mantho*

What is that strange looking new light bulb that seems to be more and more common? How is it different from a conventional bulb? Why replace the old for the new? Say hello to the compact fluorescent light bulb. Designed to replace the existing incandescent light bulb, compact fluorescents conserve energy, decrease your electric bill, and last a lot longer than incandescent bulbs. Additionally, an ultimately wider use of fluorescent bulbs has the potential to provide far-reaching benefits to the environment, and therefore human health.

## **MERCURY**

A real understanding of fluorescent bulbs relative to consumers, the environment, and to human health begins and ends with a fuller understanding of the role of mercury. Origins of mercury in the environment include: mercury mining, the use of organic mercurial pesticides, improper use or disposal of mercury containing objects, spills of elemental mercury, waste incinerators and volcanoes. But by far the greatest release of mercury takes place in the air, primarily from industrial emissions. Burning of fossil fuels, in particular high sulfur coal used in the production of electricity, is the main source, representing an estimated 33% of total domestic mercury exposure. (1) Mercury from these emissions is breathed in by humans, animals and plant organisms, and is deposited into water, plants and soils. The real danger occurs when mercury combines with certain microorganisms and is transformed into methylmercury, a highly toxic form that builds up in fish and shellfish—and the animals that eat them, including humans. Among other things, exposure to mercury can result in damage to the central nervous system, organs and organ systems.

## **ENERGY CONSERVATION**

The use of compact fluorescents reduces the amount of mercury released into the air as a result of lighting our indoor environments. Fluorescent bulbs use just 20-25% of the energy required by incandescents and will last 8 - 15 times longer (a lifespan of 6,000 to 15,000 hours vs. 750 to 1000 hours) (2) and save approximately \$30 in electricity costs over the life of the bulb. (3) Fluorescent bulbs also save 2000 times their

own weight in greenhouse gases. (4) And of course, a decrease in energy production translates into less mercury in the environment.

## **VARIETY**

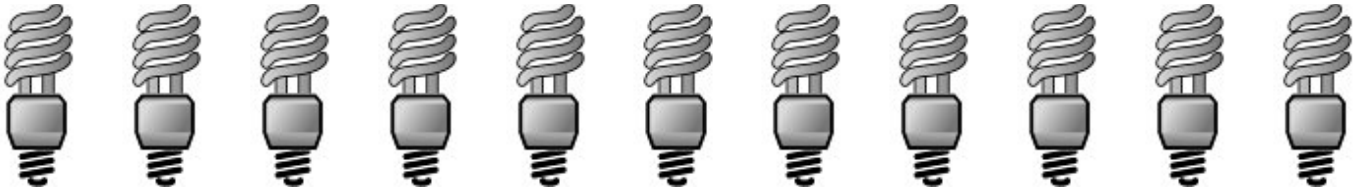
Making the transition to fluorescent bulbs is as easy as a trip to your local hardware store. A wide variety of choices are available, with easy to identify information on the packaging pointing out replacement specifications. Virtually every style of home lighting is available, including flood lighting, with little sticker shock to contend with. Shoppers can easily find a compact fluorescent bulb rated to last 10,000 hours and/or 5-7 years, in the neighborhood of \$5. The best soft white compact fluorescents are similar in color to incandescent bulbs, but vary in terms of brightness. A little trial and error may be necessary in order to find the preferred brightness. Among the wide array of products, look for fluorescent products labeled “Energy Star”, which is a voluntary labeling program introduced in 1992 by the EPA to identify energy efficient products that serve to lower greenhouse gas emissions.

## **IMPORTANCE OF PROPER RECYCLING**

Rounding out the issue of mercury is the fact that fluorescent bulbs actually contain a minimal amount of mercury (a maximum of 5 to 6 mg. has been set by manufacturers belonging to the National Electrical Manufacturers Association, compared to 500 to 1,000 mg. in a mercury thermometer). (5) Mercury is necessary in the reaction that takes place with gases inside the bulb, which produce the fluorescent light. Over the life of the fluorescent bulb, mercury imbeds in the glass as well. Because of the presence of mercury, fluorescent bulbs are classified as hazardous waste. As such, various federal regulations require that fluorescent bulbs be treated and disposed of according to hazardous waste guidelines. Without proper recycling, these bulbs can contribute to the mercury pollution in the environment.

Proper recycling involves machines that crush the glass and capture the mercury through negative pressure ventilation and mercury absorbing filters. More cities and municipalities are





obtaining these machines, but in the meantime residents can take the bulbs to local household hazardous waste drop off days. For year-round recycling take the spent bulbs to IKEA stores nationwide or purchase a Sylvania RecyclePak (a \$15 fee covers shipping and recycling for 8 bulbs; [www.sylvania.com/recycle/recyclepak](http://www.sylvania.com/recycle/recyclepak) / 888-669-9725). Locate a recycling center near you that accepts used fluorescents at [www.earth911.org](http://www.earth911.org) / 877-EARTH-911 or [www.lamprecycle.org](http://www.lamprecycle.org). To contact the Wayne County Department of Environment for recycling options call: 313-326-3936.

### **BREAKAGE**

In the event of breakage, the EPA recommends:

- 1) Open windows for at least 15 minutes, and leave the room;
- 2) Do not vacuum or sweep with broom. Sweep up fragments and powder with stiff paper or cardboard. Do not use bare hands. Wipe area clean with damp paper towels;
- 3) Place all debris and cleanup materials in a sealed plastic bag and dispose of in regular garbage. (6)

For a full description of this procedure, please refer to the EPA's web site at [www.epa.gov/mercury/spills/index.htm](http://www.epa.gov/mercury/spills/index.htm)

### **USE WITH CAUTION**

Some caution should be heeded in using fluorescent bulbs. The Job Accommodation Network ([www.jan.gov](http://www.jan.gov)) recommends the reduction and/or complete avoidance of fluorescent lighting for those who experience headaches, fatigue, problems with light sensitivity, epilepsy, lupus, chronic fatigue syndrome, and vertigo. This recommendation, however, is based upon the performance of traditional overhead fluorescents. According to Energy Star Canada, "... magnetic ballasts run fluorescent lamps at about 60 cycles per second, which causes the lamps to flicker noticeably and may cause headaches and other irritants. The new generation of energy-efficient fluorescent lamps – including ENERGY STAR qualified CFLs [compact fluorescent lamps]– use electronic ballasts, which operate at a minimum of 40,000 cycles per second. This rapid cycling eliminates the perceptible flicker associated with health complaints." (7) Although there is anecdotal evidence to suggest that compact fluorescents do not pose the same problems associated with fluorescent lighting in general, caution is advised.

1. [www.we-energies.com/environmental/mercury.htm](http://www.we-energies.com/environmental/mercury.htm)
2. The IEC60969 test standard
3. [www.nef.org.uk/energyadvice/lighting.htm](http://www.nef.org.uk/energyadvice/lighting.htm)
4. [www.energystar.gov/index.cfm?c=cfls.pr\\_cfls](http://www.energystar.gov/index.cfm?c=cfls.pr_cfls)
5. NEMA Lamp Companies Announce Commitment to Cap CFL Mercury Content. Retrieved on 2007-03-23.
6. [www.epa.gov/mercury/spills/index.htm](http://www.epa.gov/mercury/spills/index.htm)
7. <http://oe.nrcan.gc.ca/energystar/english/consumer/...?text=N&printview=N>

### **Did you know?**

Keep fluorescent lights (including compact ones) on for at least 15 minutes at a time—otherwise the life of the bulb will decrease. –[www.geenergy.com](http://www.geenergy.com)

### **Bulb of the Future**

Under the 2007 Energy Bill all light bulbs must use 25 to 30% less energy than current incandescents by 2012-2014. By 2020 all bulbs must use 70% less energy. Fluorescents meet the 2020 standard already.

–USA Today

LocalMotion  
wishes to thank  
the following sponsors  
of the  
Annie Berthold Bond  
lecture. It was a success!



**Grosse Pointe War Memorial**  
**Happy and Bill Rands**  
**Meade Lexus**



# BILL SEEKS TO PROTECT MICHIGAN CHILDREN FROM DANGEROUS PESTICIDE

*Melissa Cooper Sargent*

House Bill 4569 calls for the phase out of pharmaceutical Lindane. Lindane is an organochlorine pesticide banned or restricted for use in 85 countries. In the U.S. the chemical is no longer used for livestock, pets, lawns, Christmas trees, and more. However, in most U.S. states—including Michigan—lindane may still be prescribed as the active ingredient in lotions and shampoos for treating lice and scabies. Due to low effectiveness (30% to 50% of lice eggs are NOT killed), pest resistance, and the potential for central nervous system damage in children, the State of Michigan and the Michigan Department of Community Health do not recommend the use of lindane. The U.S. Environmental Protection Agency has declared lindane an “Extremely Hazardous Substance.” But still, Michigan parents may purchase the pesticide at a local pharmacy, bring the chemical into the home, and apply it to their child’s head.

Do we really need a chemical described by an EPA officer as “one of the most toxic, persistent, bioaccumulative pesticides ever registered” in order to have pest-free hair? Fortunately, we do not. Other less toxic and non-toxic treatments are available and have been found to be

even more effective at ridding the scalp of the loathsome critters. Alternative treatments include: Lice-B-Gone (an enzyme-based shampoo), Cetaphil (a skin cleanser that suffocates lice), and HairClean 1-2-3 (a natural plant-based remedy). Free bottles of Lice-B-Gone are available in the LocalMotion office.

Leading the educational campaign to phase-out pharmaceutical Lindane is the non-profit group, Michigan Network for Children’s Environmental Health of which LocalMotion is a member organization. Many health professional organizations including the Michigan Chapter of the American Academy of Pediatrics, the Michigan Nurses Association, and the Michigan Pharmacists Association are also behind the bill. House Bill 4569 still allows for the use of Lindane—as long as it is applied under physician supervision in his or her office.

For more information:

[www.mnceh.org/campaigns.lindane.php](http://www.mnceh.org/campaigns.lindane.php)

Late breaking news: On May 15th, the Michigan House of Representatives voted 72-35 in favor of Bill 4569 restricting the use of pharmaceutical lindane. The bill now goes to the Senate.

## Sources:

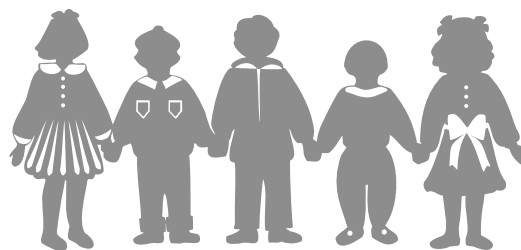
U.S. Environmental Protection Agency. Lindane and Other HCH Isomers--EPA Risk Assessment Fact Sheet. February 2006. [www.epa.gov/oppsrrd1/REDS/factsheets/lindane\\_isomers\\_fs.htm](http://www.epa.gov/oppsrrd1/REDS/factsheets/lindane_isomers_fs.htm) (accessed 4/4/08).

U.S. Environmental Protection Agency. Lindane Voluntary Cancellation and RED Addendum Fact Sheet. July 2006. [www.epa.gov/oppsrrd1/REDS/factsheets/lindane\\_fs\\_addendum.htm](http://www.epa.gov/oppsrrd1/REDS/factsheets/lindane_fs_addendum.htm) (accessed 5/2/08).

Michigan Department of Community Health, Michigan Department of Education. Michigan Head Lice Manual: A comprehensive guide to identify, treat, manage and prevent head lice. July 2004. [www.michigan.gov/documents/Final\\_Michigan\\_Head\\_Lice\\_Manual\\_103750\\_7.pdf](http://www.michigan.gov/documents/Final_Michigan_Head_Lice_Manual_103750_7.pdf). (accessed 4/4/08).

National Archives and Records Administration. Electronic Code of Federal Regulations. Title 40: Protection of Environment, Part 355—Emergency Planning and Notification. April 2008. <http://ecfr.gpoaccess.gov/> (accessed 5/2/08)

Safer Pest Control Project. Lindane Banned for Agriculture Use. August 2006. <http://spcpweb.org/news/#8> (accessed 4/4/08).





# PAINT PURE

*Melissa Cooper Sargent*

When painting and doing other projects around the house this spring be sure to use your least toxic options. Volatile Organic Compounds (VOCs) are chemicals used as solvents in many household products. VOCs readily evaporate at room temperature and can cause a range of negative health effects including headaches, fatigue, visual disorders, and difficulty breathing—many are neurotoxins. Some are suspected of causing, or are known to cause, cancer in humans.

Some of the most hazardous VOCs found in paint supplies include: benzene, a known human carcinogen; formaldehyde, a preservative shown to cause cancer in animals and may cause cancer in humans; and methylene chloride, known to cause cancer in animals. According to the U.S. EPA, methylene chloride (paint strippers, adhesive removers, and aerosol spray paints) is converted to carbon monoxide in the body and can cause symptoms associated with exposure to carbon monoxide.

Fortunately, natural paint options abound. Most are available on-line or by mail order. Colors are achieved with mineral pigments or plant dyes. Paints are based upon raw ingredients such as clay, chalk, casein milk solids, lime, marble, linseed oil, castor oil, or beeswax. Many of these companies offer additional non-toxic products such as sealers, paint strippers, finishes, wood filler, exterior paint, and more.

For convenience without the VOCs, look no further than your corner store. Most local paint stores now offer a low-VOC or VOC-free line of interior paint. While less toxic and less odorous than standard options, this paint still contains synthetic colorants, biocides, and fungicides.

## **Natural**

**Auro** (aurosa.com; 888-302-9352) Interior and Exterior Paint, Primers, Stains, Finishes, Adhesives, Wood Filler, Varnish

**BioShield** (bioshieldpaint.com; 800-621-2591) Clay Paint, Finish, Plaster, Milk Paint, Solvent-free Paint, Glaze, Enamel

**Green Planet Paints** (greenplanetpaints.com; 520 394 2571) Clay Paint, Glazes

**Livos** (livos.us; 503-257-9663) Paint, Primer, Sealer, Thinner, Tool Cleaner, Weather Protection, Adhesives, Varnish

**Real Milk Paint Company** (realmilkpaint.com; 800-339-9748) Milk Paint, Paint Remover and Stripper, Tung Oil

**Soy Clean** (soyclean.biz; 641-522-9559) Paint Stripper, Wood Sealer and Waterproofing, BBQ Grill Cleaner

## **Low/ No VOC**

Benjamin Moore **EcoSpec** (low VOC)

Home Depot **Freshaire Choice** (zero VOC)

Pittsburgh Paints **Pure Performance** (zero VOC)

Sherwin-Williams **Harmony** (zero VOC)

**AFM** (afmsafecoat.com; 800-239-0321) Paint, Primers, Stains, Finishes, Carpet Sealer, Wood Sealer. Products are not completely naturally, but they are free of biocides, fungicides, formaldehyde, ammonia, and ethylene glycol. AFM is a member of U.S. Green Building Council.

For more information:

[www.eartheasy.com/live\\_nontoxic\\_paints.htm](http://www.eartheasy.com/live_nontoxic_paints.htm)

[www.epa.gov/iaq/pubs/insidest.html#Look5](http://www.epa.gov/iaq/pubs/insidest.html#Look5)

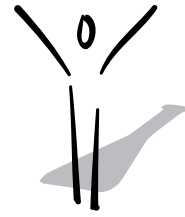


**LocalMotion thanks all who participated in and attended our second annual**



# **Earth Day Fair**

**Saturday, April 19, 2008**



## **Participants and Displays**

**American Cycle & Fitness**  
313-886-1968  
americancycleandfitness.com  
**Atom's Raw Juice Bar**  
313-822-4830  
**Belle Isle Nature Zoo**  
313-852-4056 / detroitzoo.org  
**Caribou Coffee**  
313-640-8284 / cariboucoffee.com  
**Clean & Green Natural Home  
Cleaning**  
586-206-6592  
**Clean Water Action**  
586-783-8900 / cleanwateraction.org  
**DTE Energy**  
dteenergy.com  
**Detroit Garden Center**  
313-259-6363  
detroitgardencenter.org  
**Earthworks Urban Farm**  
313-579-2100 x176  
earth-works.org  
**Eastern Market**  
313-833-9300 / easternmarket.org  
**EcoLogic**  
313-247-6220  
**EDEN Organic Pasta Company**  
edenfoods.com  
**English Gardens**  
586-771-4200 / englishgardens.com  
**Great Lakes Recycling**  
586-779-1310 / go-glr.com  
**Grosse Pointe Garden Center**  
313-881-7511 x206  
**H2O Cleaners**  
313-640-4426

**Herb Society of America, Grosse  
Pointe Unit**  
313-886-2797  
**LocalMotion**  
313-881-2263 / local-motion.org  
**Maple Creek Farm**  
810-387-4365 / maplecreekfarm.com  
**Marshall Landscape Inc.**  
313-885-7272  
**Michigan Organic Food & Farm  
Alliance**  
248-262-6826 / moffa.org  
**Michigan Department of  
Environmental Quality**  
800-662-9278 / michigan.gov/deq  
**Michigan Green Safe Products**  
313-871-4000  
michiangreensafeproducts.com  
**Natural Tool, Lowry Group Inc.**  
313-884-4160 / naturaltool.com  
**Naturally Clean**  
800-375-5059  
naturallycleanlife.com  
**Organaman Catering, Tim Sargent**  
313-995-7290  
**Practice Yoga**  
313-881-2874  
**Project GROW**  
313-571-2800 x1131  
**Recyclean**  
313-871-4000 / recy-clean.com  
**Road Apples in the Garden**  
586-246-7557  
**Shaklee**  
shaklee.com

**A Southern Gardener**  
313-881-2223  
**Valade Healing Arts Center**  
313-647-3320  
**Village Food Market**  
313-882-2530  
**Village Toy Company**  
313-882-1300  
villagetoycompany.com  
**WARM Training Center**  
313-894-1030 / warmtraining.org  
**Wayne County Department of  
Environment**  
888-223-2363  
waynecounty.com/doe  
**Wild Birds Unlimited**  
313-881-1410

**Thank you to our  
Supporters and  
Contributors**

**City of  
Grosse Pointe Woods**

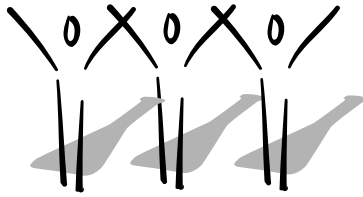
Mike Chrumka  
The Family Center  
Grosse Pointe Memorial Church -  
Caring 4 Creation  
Village Toy Company



**Thank you to our sponsors for a successful  
Organic Wine & Cheese Tasting:**

**Village Food Market**  
Avalon International Breads  
Detroit Yacht Club  
Junior League of Detroit





# Join LocalMotion...

## ...and help make our community a healthier place to live

By joining LocalMotion as a member you will have the satisfaction of knowing that you are helping our mission - to promote better health through fewer toxicants.

LocalMotion continues to make an impact on our community through our outreach programs which include the annual lecture series, adults' and children's education programs; partnerships with health organizations; library resource materials; and working towards the goal of pesticide free public spaces, including schools and parks. *We need your help to continue this impact.*

Your membership at any level will allow us to continue this most important endeavor.

### Membership Level    Some ways you will help LocalMotion

- \$35 – 50 + ..... Supports LocalMotion's mission
- \$100 + ..... Purchases activity packets for school children. Provides information packets
- \$250 + ..... Funds creation of a newsletter article. Expands resource library materials. Sponsors production of lecture videos
- \$500 + ..... Sponsors children's school program. Updates website content. Funds research on new health risk topic
- \$1,000 + ..... Provides underwriting for: community lecturers, newsletter production, Safe Schools Program Director
- \$5,000 + ..... Underwrites nationally known lecture series speaker. Supports community impact projects

### Membership includes:

- Newsletter
- Advance notice of special events
- Volunteer opportunities
- Use of library resources at our Grosse Pointe office
- Information packets for targeted issues (\$250 and above)
- Free admission to lectures and educational events (\$500 and above)
- Free evaluation of products used in your home (\$1,000 and above)

Do you work for a company that offers matching donations? Please contact them to provide additional funds to LocalMotion.

LocalMotion is a 501(c)3 organization. Your membership is tax deductible to the extent allowed by law. MICS 24271

----- CUT HERE AND RETURN BOTTOM PORTION -----

### Please accept my membership donation of

\_\_\_\_\_ \$5,000 + \_\_\_\_\_ \$1,000 + \_\_\_\_\_ \$500 + \_\_\_\_\_ \$250 + \_\_\_\_\_ \$100 + \_\_\_\_\_ \$35-50 +

To donate marketable securities (e.g. stock), please contact LocalMotion

Name \_\_\_\_\_

(as you would like it listed in a donor list)

Street/City/State/Zip \_\_\_\_\_

Area Code/Daytime Phone \_\_\_\_\_ Email \_\_\_\_\_

### To pay with credit card:

\_\_\_\_\_ Visa \_\_\_\_\_ Mastercard

donation amount \$ \_\_\_\_\_

card # \_\_\_\_\_

security code \_\_\_\_\_

expiration date \_\_\_\_\_

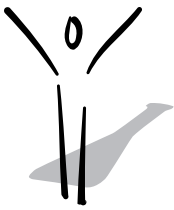
signature \_\_\_\_\_

Please mail your contribution to: LocalMotion 16824 Kercheval Place, Suite B100 Grosse Pointe, Michigan 48230



**Thank you for helping to make a difference in our environment!**

PH 313-881-2263 [www.local-motion.org](http://www.local-motion.org)



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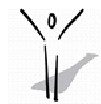
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Melissa Sargent, *Newsletter Editor, Program Director*  
Kate Wimsatt, *Website Manager*

LocalMotion, a not-for-profit,  
501(C)(3) organization, uses  
reliable, substantive, scientific fact  
to build support for **better health**  
through fewer toxins.

# LocalMotion Green Goods

Support LocalMotion and Show Your Green!  
Call or e-mail LocalMotion to purchase these new arrivals!



LocalMotion  
**GREEN**  
local-motion.org

**LocalMotion Organic Cotton  
Canvas Tote Bag \$ 8**



**BioBag Biodegradable  
Doggie Waste Bags \$ 6**



**Pesticide Free Zone  
Sign (metal) \$12**



**Safe to Play On!  
Lawn Sign (paper) \$ 1**

**MSU Soil Test Kit: \$ 13 + postage to mail to MSU**



**Organic Lawn Care Manual;**  
A Natural, Low-Maintenance  
System for a Beautiful, Safe Lawn  
by Paul Tukey \$19



**Boat Green;** 50 Steps Boaters  
Can Take to Save Our Waters  
by Clyde W. Ford \$18



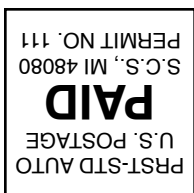
**Green Up your Cleanup**  
by Jill Potvin Schoff \$17

Member of: Beyond Pesticides, Grosse Pointe Chamber of Commerce, Michigan Coalition for Alternatives to Pesticides, Michigan Environmental Council, Michigan Network for Children's Environmental Health, and School Pesticide Reform Coalition

**Contact LocalMotion at:** Phone: 313.881.2263 Web: [www.local-motion.org](http://www.local-motion.org) Email: [lmgp@sbcglobal.net](mailto:lmgp@sbcglobal.net)

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Connection  
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LocalMotion 16824 Kercheval Place, Suite B100, Grosse Pointe, Michigan 48230

# Health & Environment

