



# LENAWEE COUNTY'S HOUSEHOLD HAZARDOUS WASTE GUIDE

Most homes have shelves, closets and cupboards stocked with household products that make our lives easier. However, some of these everyday household products are not safe. Many contain hazardous ingredients that can be harmful when used or disposed of improperly. By understanding what products are hazardous, how to correctly handle them, and what alternatives are available, you can make your home and environment a healthier place.

Lenawee County is committed to reducing the use of home toxics and keeping citizens informed about the choices and responsibilities associated with purchasing, handling and disposing of toxic substances. This guide provides this information, offers tips on reducing and reusing toxic products, and recommends non-toxic alternatives.

## WHY BE CONCERNED?

“In the U.S., hazardous waste is legally defined as *any discarded solid or liquid that contains one or more of 30 carcinogenic, mutagenic, or teratogenic compounds at levels that exceed established limits* (solvents, pesticides, and paint strippers); *catches fire easily* (gasoline, paints, and solvents); *is reactive or unstable enough to explode or release toxic fumes* (acids such as ammonia and toilet bowl cleaner, and bases such as chlorine bleach and drain cleaner); *or is capable of corroding metal containers such as tanks, drums and barrels* (industrial cleaning agents and oven and drain cleaners).”

Toxins found within the home need to be treated carefully in order to minimize human health risks and contamination to the environment. Here are some examples of the harm household toxins have caused when not cared for properly:

- The Consumer Product Safety Commission reports the average US home has as many as 63 different types of chemicals in the cupboard, generating as much as 15 pounds of hazardous waste every year.
- According to the EPA, levels of indoor air pollutants may be 2 to 5 times higher than outdoor levels.
- Information compiled by the National SAFE KIDS Campaign states that each year, 45 children -- ages 4 and under -- die from unintentional exposure to medicines and household products.

Look inside for a Chart of Disposal Guidelines and Safer Alternatives.

## BEFORE YOU BUY:

**Read the Label!** The best way to find out if a product poses a threat is to read the label before purchasing or using a product. Hazardous products should have “signal words” such as:



FLAMMABLE

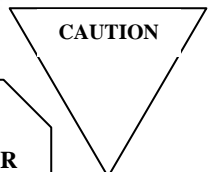


BIOHAZARD



CORROSIVE

8



CAUTION



WARNING



POISON



DANGER

**Be Sure to Follow Storage Instructions!** Watch for warnings against storing the product near food, fire or within reach of children. The label may warn against freezing the product. If so, exposing the product to freezing conditions will render it useless and create the need for disposal.

**Read the Label!** Proper use is the easiest way to avoid harming yourself from household toxics. Be sure to adhere to these general warnings, but check the product's label before beginning a new project.

- Use in a well ventilated room
- Do **not** mix incompatible ingredients -- they may react when mixed.
- Do **not** wear contact lenses during use -- wear protective equipment when necessary.
- Clean up after use; properly seal and store the remainder of the product.

PRODUCT	PUT IN TRASH	REUSE / RECYCLE	SAVE for COLLECTION	COMMENTS
<b>BATHROOM</b>				
After-shave / Perfume	•			♥ <b>Wheelock Pharmacy</b> 700 E Church St. (517) 263-7175 1325 N Main St. (517) 263-2400 Adrian, MI 49221 <b>Schmidt &amp; Sons Pharmacy</b> Tecumseh . . . . . (517) 423-3250 Blissfield . . . . . (517) 486-2146 Clinton . . . . . (517) 456-4150 <b>NOTE: Syringes <u>must</u> be in a <u>Sharps container</u>, also available at Pharmacy</b>
Cosmetics	•			
Depilatories	•			
Hair Permanent Lotions	•			
Nail Polish, Hardened	•			
Nail Polish Remover			•	
Prescription Medications	•			
Syringes ♥				
<b>CLEANERS (Numerical References at Right)</b>				<b>CLEANERS – SAFER ALTERNATIVES:</b>
Ammonia-based	•			<b>(1)</b> ½ cup baking soda followed by 1 c. vinegar; let bubble 15 minutes & rinse w/hot water. <b>IF clogged, use plunger or snake, but <u>NOT</u> After Use Of Commercial Drain Opener!</b> <b>(2) Finished Floor Wax:</b> 2 to 1 ratio of paraffin wax to vinegar; Melt wax in double boiler, then add vinegar. Soak soft cloth in mixture ½ hour, let dry & use as polishing cloth. <b>(3)</b> Use 1 tablespoon lemon oil in 1 pint of mineral oil. <b>(4)</b> Use vinegar & newspaper. <b>(5) Stainless Steel:</b> Moisten cloth w/undiluted white or cider vinegar & wipe clean. <b>Silver:</b> Use a paste of baking soda & water; Rub, rinse & polish with a soft cloth. <b>(6)</b> Combine 2 tablespoons liquid soap, 2 teaspoons borax & warm water for a non-toxic cleaner. <b>(7)</b> Use club soda, lemon juice, or salt. <b>(8)</b> Use a paste of borax & lemon juice.
Bleach-based	•			
Disinfectant	•			
Drain Cleaner			(1)	
Floor Wax / Stripper			(2)	
Furniture Polish			(3)	
Glass Cleaner	(4)			
Metal Cleaner			(5)	
Oven Cleaner			(6)	
Spot Remover			(7)	
Toilet Bowl Cleaner	(8)			
<b>GARAGE &amp; GARDEN (Note References at Lower Right):</b>				
Antifreeze		♣		<b>GARAGE &amp; GARDEN REFERENCES</b> ♣ <b>Victory Lane</b> accepts oil & antifreeze: 420 W Michigan Ave, Clinton (517) 546-4495 1001 E US 223, Adrian (517) 263-1447 ♣ <b>Brooklyn Quick Oil Change</b> , Brooklyn Accepts oil & antifreeze (517) 592-9009 ♦ <b>Walmart</b> 1608 E US 223 - oil (517) 265-9790 ♦ <b>TSC Farm Services</b> accepts oil 1260 W US 223, Adrian (517) 263-2831 ♦ <b>Lenawee Tire</b> accepts oil 1222 E Maumee St, Adrian (517) 263-2128
Auto Battery		♠		
Brake Fluid			•	
Degreaser			•	
Diesel Fluid			•	
Fertilizer (dry)			❖	
Fertilizer w/ Weed Killer			•	
Gasoline			•	
Insecticides			•	
Kerosene			•	
Motor Oil		♣ ♦		
Pesticides			❖	
Rat / Rodent Poison			•	
Transmission Fluid			•	
Weed Killer			❖	
Windshield Wiper Fluid	•			
♠ Reference <b>BATTERIES - RECYCLE (Page 3 of 4)</b>			❖ Reference <b>GARDEN OPTIONS (Page 4 of 4)</b>	

PRODUCT	PUT IN TRASH	REUSE / RECYCLE	SAVE for COLLECTION	COMMENTS
<b>HOME IMPROVEMENT / WORKSHOP:</b>				
Adhesive, Glue (water-base)	●			▲ Reference <b>PAINT OPTIONS</b> (Page 4 of 4) for additional information
Adhesive, Glue (solvent-base)			●	
Asphalt, Roofing Tar			●	
Paint / Primer, Latex-No Lead	▲	●		
Paint / Primer, Latex-With Lead			▲	
Paint / Primer (oil-based)		●	▲	
Paint Thinner		●	▲	
Paint Remover & Stripper			▲	
Putty, Grout, Caulk (water-based)	●			
Rust Remover			●	
Spackle, Glaze	●			
Stain & Varnish		●	▲	
Wood Preservative			●	
<b>MISCELLANEOUS (Numerical References at Right):</b>				<b>MISC. – IMPORTANT INFORMATION</b>
Aerosols – <u>Not</u> Empty Cans			●	<p>(1) Call <b>Johnson’s Sporting Goods</b>, Adrian (517) 265-2545; or Call your local <b>State Police</b> or <b>Sheriff’s Office</b> to see if they will accept unused or spent ammunition.</p> <p>(2) Asbestos removal and disposal <i>should be</i> handled by a <b>State Licensed Contractor</b>.</p> <p>(3) Saturate with water before disposing.</p> <p>(4) Disposal methods are specific to the type of fire extinguisher. For specific information call Lenawee County Solid Waste Dept. at (517) 264-4546</p> <p>(5) Digital and non-mercury thermometers can be purchased in most stores.</p> <p>(6) Use cedar chips or herb sachets as an alternative.</p> <p>(7) Oral medications are available to reduce the need for topical flea powders. Check with your veterinarian.</p> <p>(8) Manufacturers are no longer required to accept smoke detectors, but you may contact the manufacturer to inquire about their specific policy. <b>Homeowners:</b> Dispose of smoke detectors in local landfills.</p>
Ammunition (1)				
Artist & Hobby Paint		●		
Asbestos (2)				
Fabric Dye			●	
Fireworks & Flares (3)				
Fire Extinguishers (4)				
Flourescent Tubes / Bulbs		●		
Household Batteries		♣		
Mercury (therometer)			(5)	
Mothballs			(6)	
Pet Care Products (7)			●	
Photography Chemicals			●	
Swimming Pool Chemicals			●	
Smoke Detectors (8)				
<b>BATTERIES – RECYCLE (from Page 2)</b>				
♣ <b>Battery Wholesale</b> of Adrian will take automotive, hearing aide, rechargeable, & household batteries. For additional items go to <a href="http://www.batterywholesaleonline.com">www.batterywholesaleonline.com</a> . Located at: <b>N. Main St. &amp; Siena Heights Dr.</b> (517) 263-3462				
♣ <b>Dusseau Auto Parts, Inc.</b> of Adrian accepts auto & truck batteries; auto & truck tires w/rims. Located at: <b>2423 Treat Hwy.</b> (517) 265-5684				

## PAINT OPTIONS

### REDUCE: *Buy the Least Hazardous Product.*

Water-based paints (latex) perform almost identically to oil-based paints but have fewer flammable and toxic solvents – therefore, they are better for the environment.

### BUY ONLY the Amount Needed.

Knowing the exact amount needed for a project will reduce the probability of leftover paint. Use this formula to accurately measure the area to be painted.

1. Multiply wall height by width (area)
2. Subtract area of any doors or windows
3. Repeat for all walls that will be painted
4. Add together to find total area to be covered

### REUSE: *Got Some to Spare? Think to Share!*

Keep these options in mind when you finish up your next painting project:

- Save for touch-ups
- Share with neighbors
- Use as a primer
- Donate to community groups, schools or theaters. Visit [www.lenawee.mi.us](http://www.lenawee.mi.us) for a list of agencies that accept paint.

**DONATIONS:** Make sure the paint is in the *original* container; clearly labeled; that it has not been frozen; and is free of lead and mercury. Lead was banned from paint in 1973; Mercury was banned in 1991.

## LENAWEE COUNTY HOUSEHOLD HAZARDOUS WASTE COLLECTION PROGRAM

Safely dispose of your household hazardous waste by **calling the Lenawee County Solid Waste Dept. at (517) 264-4546 to Schedule an Appointment** for the days/times indicated below:

**SAT.** 1<sup>st</sup> Saturday *morning* of each month  
by **APPOINTMENT ONLY**

**TUES.** 2<sup>nd</sup> Tuesday *afternoon* of each month  
by **APPOINTMENT ONLY**

**LOOK** for information on future collections in your local newspaper, on the radio, or contact the Solid Waste Dept. by phone (see above), online at [www.lenawee.mi.us](http://www.lenawee.mi.us), or via E-mail at [solid.waste@lenawee.mi.us](mailto:solid.waste@lenawee.mi.us).

**CLOSED:** Nov – Dec – Jan – Feb – Mar

## GARDEN OPTIONS

### REDUCE:

- **Use native plants and grasses** when landscaping. They use less water, need less fertilizer, and are easier to grow.
- **Try companion planting:** When grown together, certain combinations of plants produce adverse or beneficial effects for the individual plants. This natural mechanism for fighting off pests and disease will reduce the need for large amounts of fertilizers and herbicides.
- **Grasscycling:** Leave grass clippings on the lawn – this naturally returns nutrients to your lawn, reducing or eliminating the need for fertilizers.

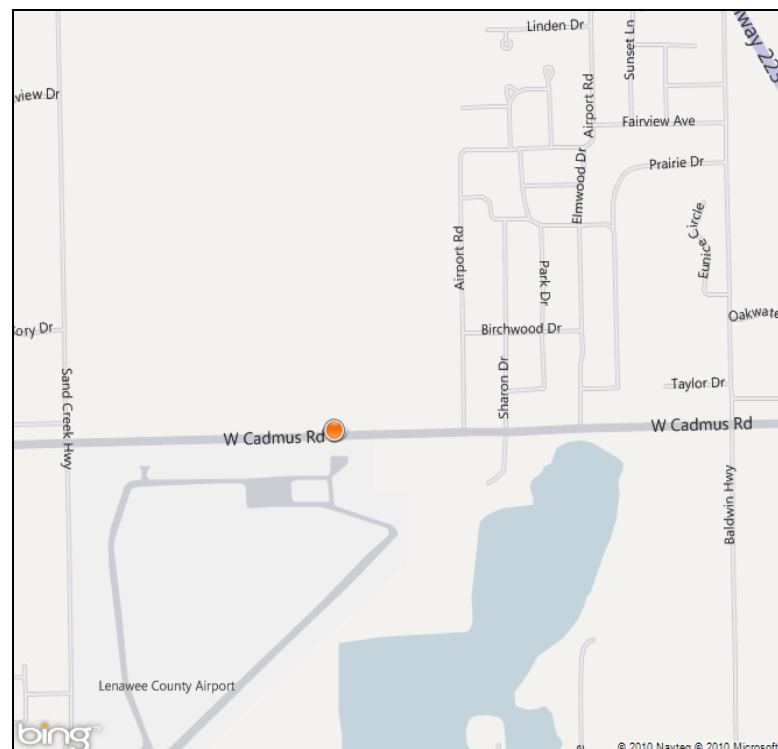
### SAFER ALTERNATIVES:

**Organic Insecticides** such as:

- **Rotenone**, derived from derris root, is a general-purpose spray or dust.
- **Neem**, made from the seeds of the Neem tree, kills aphids, beetles, caterpillars, leafminers, whitefly, and others.
- **Diatomaceous Earth** is made from ground shells; adds calcium; and kills slugs, cutworms, and cabbage loppers.

**Herbicides** containing glyphosate

**Organic Fertilizers** such as peat moss or compost



Map provided by Bing

<b>Adrian Landfill</b> ..... 1070 Ogden Hwy. Adrian, MI 49221 Mon. – Thurs. 8:00 – 4:00 Fri. 8:00 – 3:00	<i>Accepts most recyclable materials – No metals</i>
<b>Adrian Mall</b> ..... 1357 S Main St., Ste 1123 (Mall Office) Adrian, MI 517-263-0685	<i>Nothing at this time -- contemplating putting a recycling program into effect. Some stores currently recycle plastic bags.</i>
<b>Bar Recycling</b> ..... 1014 Erie Street Adrian, MI 49221 517-759-4461	<i>Accepts all metals</i>
<b>Battery Wholesale</b> ..... 1002 N Main St. Adrian, MI 49221 517-263-3462	<i>Recycles automotive, hearing-aid, standard household batteries, etc. For a more complete listing, go to <a href="http://www.batterywholesaleonline.com">www.batterywholesaleonline.com</a></i>
<b>Blissfield Recycling Center</b> ..... (in Bachmayer Parking Lot – Open 24/7) N. Lane Street, Blissfield, MI 49228 <a href="http://www.blissfieldmichigan.gov">www.blissfieldmichigan.gov</a>	<i>Accepts plastics #1 &amp; 2, glass, paper, cardboard tin &amp; scrap metal</i>
<b>Brooklyn Quick Oil Change</b> ..... 11547 Brooklyn Road Brooklyn, MI 49230 Ph: 514-592-9009	<i>Accepts used motor oil</i>
<b>Busch's</b> ..... 1450 W Chicago Blvd. Tecumseh, MI 49286 Ph: 517-424-1100	<i>Accepts beverage bottles &amp; cans only</i>
<b>Charter Township of Adrian</b> ..... 2907 Tipton Hwy. Adrian, MI 49221 517-263-7920	<i>Accepts newspapers, plastic, cardboard, glass</i>
<b>Charter Township of Raisin</b> ..... 5525 Occidental Hwy. Tecumseh, MI 49286 517-423-3162	<i>Accepts newspapers, plastic, cardboard, glass</i>
<b>Country Market</b> ..... 1535 W Maumee St. 517-265-6506 1392 S Main St. 517-263-0569 Adrian, MI 49221	<i>Recycles plastic shopping bags &amp; beverage bottles / cans</i>

**Businesses Accepting Recycling**

4/2011

<b>Dart Container</b> (24/7 Recycling) ..... 432 Hogsback Rd., Mason, MI 48854 517-676-3800	<i>Accepts foam containers free of labels, egg cartons, etc.; <b>NO</b> packing peanuts or treated polystyrene.</i>
<b>Dusseau Auto Parts, Inc.</b> ..... 2423 Treat Hwy. Adrian, MI 49221 517-265-5684	<i>Accepts automobile &amp; truck batteries; Passenger &amp; Light Truck tires <b>with RIMS ONLY</b> @ No Charge; Truck tires <b>with RIMS ONLY</b> = \$5 per tire; <b>NO</b> implement, farm, semi-truck or heavy equip. tires</i>
<b>ElderBeerman</b> ..... (Adrian Mall)	<i>Accepts plastic shopping bags at East Parking Lot entrance - Winter Street side of lot</i>
<b>Goodwill Industries</b> ..... 1357 Division St. Adrian, MI 49221 517-263-1665	<i>Recycles electronics, computers &amp; peripherals, cardboard, clothing, receipt tapes, etc. Provides document shredding services (will shred while you watch, if you prefer)</i>
<b>Habitat Restore</b> ..... 2811 Treat Hwy. Adrian, MI 49221 517-266-0746	<i>Accepts leftover paint, building supplies, fixtures, etc.</i>
<b>Hadden Tire</b> ..... 237 W. Maumee Adrian, MI 49221 517-265-8131	<i>Accepts used motor oil</i>
<b>JC Penney</b> ..... (Adrian Mall)	<i>Accepts plastic shopping bags at North Parking Lot entrance – near catalog center</i>
<b>Johnson’s Sporting Goods</b> ..... 3654 N Adrian Hwy Adrian, MI 49221 517-265-2545	<i>Accepts “spent brass” from ammunition, as well as “unwanted or leftover live” ammunition</i>
<b>Kmart</b> ..... 1416 S Main, Ste 100 Adrian, MI 49221 517-263-3621	<i>Accepts beverage bottles &amp; cans</i>
<b>Kohl’s</b> ..... 2050 E Highway 223 Adrian, MI 49221 517-264-0750	<i>Accepts plastic shopping bags</i>
<b>Lenawee Tire</b> ..... 1222 E Maumee Street Adrian, MI 49221 517-263-2128	<i>Accepts used motor oil</i>

**Businesses Accepting Recycling**

4/2011

**Meijer** .....  
217 E US 223  
Adrian, MI 49221  
517-266-2101

*Accepts plastic shopping bags, beverage bottles & cans*

**OmniSource** .....  
815 Treat Hwy.  
Adrian, MI 49221  
517-265-5195  
Mon. – Fri. 8:00 – 4:30

*Accepts most metals: steel, aluminum, copper, stainless steel; ferrous & nonferrous metals.  
For more information call or go online to  
OmniSource Recycling*

**Postal Plus** .....  
1416 S Main St., Ste 220  
Adrian, MI 49221  
(next door to Kmart)  
517-265-4072

*Accepts clean Styrofoam packing peanuts, bubble wrap & other packing supplies*

**R&M Recycling** .....  
2675 Treat Hwy  
Adrian, MI 49221  
517-263-9000

*Accepts iron, steel, copper, brass, aluminum & nickel; junk cars, lawnmowers & farm equipment; computers; & batteries from cars, mowers & forklifts*

**The Rosemary Company** .....  
1717 E Monroe Rd  
Tecumseh, MI 49286  
517-423-6820

*Accepts clean Styrofoam packing peanuts*

**Schmidt & Sons Pharmacy** .....  
Tecumseh           517-423-3250  
Blissfield           517-486-2146  
Clinton             517-456-4150

*Accepts Sharps – **MUST** be in a pre-purchased **Sharps Container** - available at Schmidt & Sons; Sharps include needles, syringes & lancets used to check blood glucose levels*

**TSC Farm Services** .....  
1260 W US 223  
Adrian, MI 49221  
517-263-2831

*Accepts used motor oil*

**Victory Lane** .....  
1001 E US 223  
Adrian, MI 49221  
517-263-1447

*Accepts used motor oil & antifreeze*

**Victory Lane** .....  
420 W Michigan Ave  
Clinton, MI  
517-546-4495

*Accepts used motor oil & antifreeze*

**Walmart** .....  
1601 E US 223  
Adrian, MI 49221  
517-265-9771

*Accepts plastic shopping bags, beverage bottles & cans; Automotive/Service Dept. accepts used motor oil*

**Businesses Accepting Recycling**

4/2011

**Wheelock Pharmacy** .....  
700 E Church St. 517-263-7175  
1325 N Main St. 517-263-2400  
Adrian, MI 49221

*Accepts Prescription Drugs Only – **NO** Illegal substances! Sharps – **MUST** be in a **Sharps Container** - available at Wheelock's; Sharps include needles, syringes & lancets used to check blood glucose levels.*

**Additional Options:**

**Boy Scout Trailer** .....  
Blissfield Co-Op lot  
\*Just East of Blissfield on US-223  
(Near corner of Silberhorn Hwy & US-223)

*Newspapers **ONLY***

**All Post Office Locations** .....

*Paper **ONLY** (junk mail)*

**Perky Pantry** .....  
9544 Pentecost Hwy.  
(M-50 & Pentecost Hwy)  
Onsted, MI 49265  
517-467-7502

*Rural Recycling Program – **3<sup>rd</sup>** Saturday of each **Month***