

Guide to Recycling Household Hazardous Waste (HHW)

Chicago Department of Environment

List of Common HHW Products and Safety Tips

Cleaning Products

- Oven cleaners
- Drain cleaners
- Wood and metal cleaners and polishes
- Toilet cleaners
- Tub, tile, shower cleaners
- Bleach (laundry)
- Pool chemicals

Lawn and Garden Products

- Herbicides
- Insecticides
- Fungicides/wood preservatives

Indoor Pesticides

- Ant sprays and baits
- Cockroach sprays and baits
- Flea repellents and shampoos
- Bug sprays
- Houseplant insecticides
- Moth repellents
- Mouse and rat poisons and baits

Automotive Products

- Motor oil
- Fuel additives
- Carburetor and fuel injection cleaners
- Air conditioning refrigerants
- Starter fluids
- Automotive batteries
- Transmission and brake fluid
- Antifreeze

Miscellaneous

- Batteries
- Mercury thermostats or thermometers
- Fluorescent light bulbs
- Driveway sealer

Workshop/Painting Supplies

- Adhesives and glues
- Furniture strippers
- Oil or enamel based paint
- Stains and finishes
- Paint thinners and turpentine
- Paint strippers and removers
- Photographic chemicals
- Fixatives and other solvents

Tip #1 Use and store products containing hazardous substances carefully to prevent any accidents at home. Never store hazardous products in food containers. Do not mix products from the different groups shown above. Keep products containing hazardous materials in their original containers and never remove the labels. Corroding containers, however, should be repackaged and clearly labeled. This will prevent accidental ingestion and also can help protect sanitation workers.

Tip #2 When leftovers remain, never mix household hazardous waste with other products. Incompatibilities may react, ignite, or explode; contaminated household hazardous waste may become unrecyclable.

Personal Protective Clothing and Other Items for Safely Handling HHW

- Safety glasses
- Gloves – rubber, leather – wear rubber gloves under leather gloves. Many of the containers are sharp and therefore the leather gloves will provide protection. The rubber gloves will prevent chemicals from contacting skin.
- Long-sleeve shirt and long pants
- Soap & water – for cleaning after collecting, or for washing off chemicals
- Fire extinguisher

Where to Recycle Household Hazardous Waste

City of Chicago Household Chemical and Computer Recycling Center

The Household Chemical and Computer Recycling Center is the city's first permanent hazardous waste recycling facility. In addition to responsibly disposing of hazardous products from landfills, the center will train ex-offenders in electronics recycling. Many of the electronics will be taken apart and recycled, while newer computers will be refurbished through the program and made available to local schools, churches, non-profit groups and low-income families.

The facility accepts the following materials for recycling or safe disposal: antifreeze, used motor oil, old gasoline, oil-based paints, paint thinners, aerosol paints, herbicides, insecticides, pesticides, lawn chemicals, solvents, drain cleaners, cleaning products, pool chemicals, hobby chemicals, mercury, fluorescent lamps and bulbs, computers and cell phones. People can also use the Paint Exchange Room to swap old paints with one another for free.

These materials are accepted during the facility's hours of operation: Tuesdays from 7 a.m. to noon; Thursdays from 2 p.m. to 7 p.m., and the first Saturday of every month from 8 a.m. to 3 p.m.

Drop off household chemicals and electronics at:

Household Chemical and Computer Recycling Center, 1150 N. North Branch St. on Goose Island

Recycle Batteries

Participate in the City's household battery recycling program at all Chicago Public Libraries and Walgreens stores. By recycling your batteries you will help keep these materials out of the waste stream and the battery components will be reclaimed for reuse. All common dry cell batteries can be recycled, including alkaline, rechargeable, and other common types. Wet cell batteries, like car batteries, cannot be recycled through this program. Funding for the City of Chicago's battery recycling program has been provided in part through a grant from the Illinois Department of Commerce and Economic Opportunity. Drop off batteries at **Chicago Public Libraries** and **Walgreens Stores' Photo Centers**.

This recycling program includes most disposal and rechargeable batteries used in the home, including:

- Alkaline Batteries, these are the typical disposable batteries, Duracell, Energizer, Ever Ready
- Lithium Batteries, these are typically found in cameras
- All Button Type Batteries, often found in watches and smaller electronic devices

Recycle Corks

Yemm & Hart Ltd. recycles cork stoppers. The company reprocesses the corks into a block that is sliced into thin sheets that will be offered for sale, made into tack boards, award plaques, coasters, and more. If the company gets enough corks, they may begin to produce recycled cork floor tiles. Collect and mail your cork stoppers *prepaid* (paid by sender) to Yemm & Hart via UPS or USPS: **Wine Cork Recycling, Yemm & Hart Ltd**, 425 North Chamber Drive, Fredericktown, MO, 63645. Or visit <http://www.yemmhart.com/news+/winecorkrecycling.htm> for more information.

Recycle Cell Phones

There are more than 150 million cellular users in the United States alone. About 40 million phones turnover or "churn" annually. If you add in the rapidly growing number of out of use phones, it is estimated that by 2005 there will be over 700 million retired phones in the U.S. Seventy-five percent of these out-of-use phones will be in people's drawers at home or at work. The balance is going to landfills or is recycled. The EPA estimates that this quantity of cell phones is equal to about 250,000 tons of toxic materials.

ECO-CELL is an organization that takes used cell phones, accessories and cell phone batteries and recycles them using the best demonstrated technologies for recycling e-waste. Approximately 80% of the phones collected will be refurbished and reused by first-time users abroad or by selected local organizations, such as Hospital patients for emergency 911 calls. All unusable cell phones and accessories will be recycled under strict EPA guidelines by certified recyclers.

ECO-CELL pays non-profits to collect cell phones as a fundraiser. Select organizations will receive dollars from ECO-CELL for the phones to aid in their fundraising as an added benefit. To learn more about ECO-CELL and participating local non-profits, visit <http://www.eco-cell.org/>. You can also drop off cell phones at the city's **Household Chemical and Computer Recycling Center** at 1150 N. North Branch Street on Goose Island.

Recycle CD-ROMS

Plastics Recycling Inc, located in Indianapolis, grinds the CDs down and reuses the plastic for automotive parts and the spindles for adding machine rolls. The firm is capable of handling large quantities, so please share the information with colleagues, friends and family. CDs must be sent without sleeves or cases. Send CDs to: **Plastics Recycling Inc. (Allen Shaw)**, 2015 S. Pennsylvania, Indianapolis, IN 46625, 317-780-6100.

MRC Polymers, Inc. (www.mrcpolymers.com) collects and recycles DVDs, CDs and jewel cases (separated) at its Chicago facility at 3535 West 31st Street. Drop off is available M-F 8am-5pm. Call (773) 890-9000 for more information.

Recycle Floppy Disks & Videocassettes

Alternative Community Training (ACT) is a non-profit organization whose mission is to provide personalized support to individuals with disabilities as they become full and valued members of the community. The company employs over forty disabled employees who erase and then package floppy disks and videocassettes every day. By donating these items, you not only dispose of unwanted materials, but also support the training and development of these individuals. For more information see <http://www.actrecycling.org/donations/> Mail to floppy disks and videocassettes to: **Alternative Community Training**, 2200 Burlington, Columbia, Missouri 65202

Recycle Tyvek® Envelopes

Turn any Tyvek® envelope inside out, so the unprinted white surface shows on the outside. Stuff the inside-out Tyvek® envelope with other used Tyvek® envelopes for recycling. For small quantities (less than 25 envelopes/month), address and mail the envelope to: **Tyvek Recycle. Attn: Shirley B. Wright, Tyvek® Recycling Specialist**, Fort Darling Road, Richmond, VA 23237. See http://www2.dupont.com/Tyvek_Envelopes/en_US/tech_info/tech_environ.html to find out how to recycle larger quantities.