



HOUSEHOLD HAZARDOUS PRODUCTS



This guide is for small quantities of material from residents only. Larger quantities should be returned to the vendor or retailer where the product was purchased. Business or commercial operations should dispose of chemicals properly. Check www.Earth911.org for a variety of recycling and disposal options. If a resident has a septic tank and not City sewer, flushing may not be an option since it could harm a septic system.

Area of House	Type of Product	Hazardous chemicals that could be an ingredient	Why they can be dangerous	Recommended Disposal Method HHW = City of Prescott Household Hazardous Waste Events http://prescott-az.gov/services/trash	Less Toxic Alternatives
General	Aerosol Sprays	Butanol, butane, propanol	Flammable, irritant explosive	Use up as intended. Empty containers can be placed in trash or if full taken to next HHW event.	Pump-type sprays, brush or roll-on applicators, potpourri
Bathroom	Aftershaves, perfumes, etc	Alcohol	Flammable	Use up as intended. Empty containers can be placed in garbage or if full taken to the next HHW event.	Use less
General	Air fresheners	Hydrocarbons, perfume oils, ether, acetone, propane	Flammable, respiratory irritation	Use up as intended. Empty containers can be placed in garbage or if full taken to the next HHW event.	Non-aerosol, matches, baking soda, potpourri, citrus pomander
Kitchen	Ammonia based cleaners	Ammonia, ethanol	Irritant, toxic, corrosive Known to cause asthma.	Use up as intended. Small amounts can be poured down drain (see container label instructions for acid/caustic dilution) or taken to HHW event.	Undiluted white vinegar in spray bottle; baking soda & water, salt & water for surfaces
Garage	Antifreeze	Ethylene glycol, lead copper, cadmium, zinc	Toxic (especially to small animals)	Use up as intended. Bring used antifreeze to a facility which recycles it. For volumes up to 5 gallons, antifreeze can be taken to the next HHW event.	Use recycled antifreeze.
Garage	Auto engine-related products (brake/transmission/power steering fluids, etc	Hydrocarbons, mineral spirits, glycol ethers	Flammable, toxic	Use up as intended. For volumes less than 5 gallons, the products can be taken to the next HHW event.	Synthetic reformulated petroleum oil is currently available.
Kitchen	Batteries - Alkaline (AAA, AA, A, C, D, 9 Volt)	Manganese dioxide, zinc, potassium hydroxide	Do not burn or crush	Can be placed in garbage container	Solar-power; wind-up watches; rechargeable batteries
Garage	Battery - Lead Acid Car Battery	Sulfuric acid, lead	Corrosive, toxic	Recycle. Check Yellow Pages for Battery Recyclers or take to next HHW event (5 batteries per carload).	Unknown.

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General	Batteries - Rechargeable: Nickel Cadmium (Ni-Cd), Nickel Metal Hydride (Ni-MH), Lithium Ion (Li-ion) and Small Sealed Lead (Pb).	Heavy metals such as cadmium, mercury, lead, nickel cadmium, lithium	Toxic	Recycle by dropping off the batteries at local stores such as Staples, At any home improvement stores, Home Depot, Radio Shack, Sears, etc. To find location near you go to http://www.call2recycle.org/ . Take to next HHW event.	Best alternative
Bathroom Kitchen	Bleach or abrasive cleaners	Sodium hypochlorite, phosphoric acid	Irritant, corrosive, toxic	Use up contents before disposal. Small amounts can be poured down drain (see container label instructions for acid/caustic dilution) or take to the next HHW event.	Baking soda, borax, vinegar, toilet: coat bowl w/lemon juice & borax paste, let set & scrub, tub & tile; rub area with 1/2 lemon dipped in borax
Kitchen	Bug sprays	Malathion, Diaxinon	Toxic	Use up contents as intended. Take unused to next HHW event.	Insecticidal soap, boric acid; ants: cream of tartar/chili pepper in path, clean counter tops w/vinegar & water, diatomaceous earth
Garage	Car wax with solvent	Solvent	Flammable	Use up as intended. Minimum quantities can be placed in garbage.	Use water based car wax
General	Cell phones with rechargeable batteries	Heavy metals such as cadmium, mercury, lead	Toxic	Check on line for resale or recycling options. Take to next Household HHW event or at any home improvement stores. Donate to: Students Recycling Used Technology http://www.azstrut.org/ or recycle by dropping off the batteries at local stores where you purchased the phone or other locations listed at http://www.call2recycle.org/ or http://www.epa.gov/epawaste/index.htm	Don't replace as often.
General	Cleaners - Solvent	Volatile Organic Carbons (VOCs)	Flammable	Use as intended. Take to next HHW event.	Use citrus based products.

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General	Chlorine (See bleach)	Sodium hypochlorite	Lung & skin irritant. Lethal if ingested.	Use as intended. Small amounts can be poured down drain (see container label instructions for acid/caustic dilution) or take to next HHW event.	Hydrogen peroxide, vinegar, borax, lemon juice, tea tree oil, or eucalyptus oil.
Office	Computers, laptop, monitors, printers, or fax machines	Lead, mercury, cadmium, plastics (during production and incineration produce carcinogenic dioxins and furans).	Toxic	Check with www.Earth911.com , on-line resale such as eBay, electronic store from which you purchased the item, and yellow pages under computer and electronic recycling and salvaging. Other recycling options are available by bringing the E-waste to the City of Prescott Transfer Stations or take to the next HHW event.	Purchase EPEAT equipment. http://epeat.net/
Office	Copy machines - Household	Generate ozone. Selenium, cadmium, carbon black.	Irritant	Check yellow pages for recycler (Westec, Scrapcomputer.com) or take to the next HHW event.	Purchase green copiers in the future. Standards are being developed.
Garage	Diesel fuel	Petroleum	Flammable, poison	Use up as intended. Take to next HHW event.	Biodiesel. Use Hybrid and CNG vehicles
Bathroom	Disinfectants	Ammonia, cresol, detergents, lye, phenol, pine oil	Toxic, corrosive, poison	Use up as intended. Small amounts can be poured down drain (see container label instructions for acid/caustic dilution) or take to next HHW event for incineration.	1/2 C. borax, 1/2 C vinegar w/1 gallon water
Kitchen	Drain cleaners or openers	Sodium hypochlorite, sodium/potassium hydroxide, lye, sulfuric acid	Corrosive, toxic	Use up as intended. Small amounts can be poured down drain (see container label instructions for acid/caustic dilution) or take to next HHW event.	1/2 C. baking soda followed by 1/2 C vinegar; wait 15 minutes, add boiling water. Plug up the sink quickly to keep the bubbles inside and after about 30 minutes wash it down with some hot water or use a plunger or plumber's snake.

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Garage	Fertilizer	Nitrogen, phosphorus, and potassium, ammonium nitrate or lime	Storm Water Pollution	Use up as intended. Give to a neighbor. Disposal – place in trash.	Compost material or manure
General	Flea repellent	Carbonates, organophosphate, pyrethrins	Toxic or corrosive	Use up as intended. For disposal small quantities can be placed in garbage or taken to next HHW event for incineration.	Put brewer's yeast or garlic in your pet's food; sprinkle fennel, rue, rosemary, or eucalyptus seeds or leaves around animal sleeping areas.
Kitchen	Floor cleaner	Pine oil, petroleum distillates, naphthas	Irritant	Use up as intended. For disposal - refer to label instructions or take to next HHW event.	1 part lemon juice to 2 parts olive/vegetable oil or 1 cup vinegar & 2 gallons water
Kitchen	Furniture polish	Ammonia, naphtha, nitrobenzene, petroleum distillates, phenol	Flammable, poison, inhalation concerns	Use up as intended. Take to next HHW event for incineration.	Mix 1 teaspoon of lemon juice in 1 pint of mineral or vegetable oil, and wipe furniture. For water stains: toothpaste or damp cloth
General	Furniture Strippers	Petroleum distillates	Poison, flammable, inhalation concerns	Use up as intended. Take to next HHW event.	Sandpaper, heat gun
Garage	Gasoline, Kerosene etc.	Petroleum hydrocarbons such as benzene	Flammable, toxic	Use up clean gasoline as intended. Contaminated gasoline can be taken to the next HHW event (5 gallon limit) for fuel blending or energy recovery.	Ethanol. Use CNG or Hybrid vehicles.
Workshop	Glue - Solvent based	Naphthalene, phenol, ethanol, vinyl chloride, formaldehyde, acrylonitrile	Toxic, poison, suspected carcinogen	Use up as intended. Small quantities can be added to garbage. Large quantities can be taken to next HHW event.	Water-based glue
Workshop	Glue - Water based	Synthetic materials, polymers	Not dangerous	Use up as intended. Minimum amounts can be poured down drain with lots of water.	Best option to use.

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Bathroom	Hair color	Cadmium chloride, cobalt chloride, cupric chloride, lead acetate, silver nitrate	Irritant, toxic	Use up as intended.	Use true henna (plant) derived product.
Bathroom	Hair relaxers	Sodium hydroxide also known as lye, calcium hydroxide.	Irritant, skin burns, scarring.	Use up as intended. Small amounts can be poured down drain (see container label instructions for acid/caustic dilution).	Use or purchase less material.
Office	Ink or Toner Cartridges	Dyes, pigments, iron oxides, styrene.	Irritant	Return to vendor or recycler.	Print less and/or purchase refillable ink cartridges.
General	Light Bulbs - Compact Fluorescent Bulbs	Mercury, lead	Toxic	Check with www.Earth911.com or home improvement store for a location nearest your house for free recycling opportunities at any home improvement stores. Used bulbs can also be placed in a sealed plastic bag and placed into the garbage. Bulbs can also be taken to the next HHW event.	Best option compared to incandescent bulb.
General	Light Bulbs - Fluorescent 4 foot bulbs	Mercury, lead	Toxic	Recycle them by taking them to the next HHW event for recycling. Used bulbs can also be placed into garbage. See http://www.epa.gov/epawaste/hazard/wastetypes/universal/lamps/basic.htm	Best option
Bathroom	Medicine (expired or excess)	Numerous	Outdated	Follow EPA's recommendation. "Take unused, unneeded, or expired prescription drugs out of their original containers and throw the containers in the trash. Mixing prescription drugs with an undesirable substance, such as used coffee grounds or kitty litter, and putting them in impermeable, non-descript containers, such as empty cans or sealable bags, will further ensure the drugs are not diverted." See these government sponsored websites: http://www.whitehouse.gov/ondcp , http://www.fda.gov/downloads/Drugs/ResourcesForYou/Consumers/BuyingUsingMedicineSafely/UnderstandingOver-the-CounterMedicines/ucm107163.pdf , or http://www.smarxtdisposal.net .	

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Office	Memory Cards	Heavy metals	Toxic	1.Remove the memory from your computer or electronic device (ie: phone, PDA, etc.). Please do not include any items besides memory. 2.Place memory inside standard letter envelope. There's no need to add extra packaging materials. 3.Address the envelope to P.O. Box 2337, Fresno, CA 93745. 4.Attach standard USPS First Class Mail Letter Stamp (\$0.44) to envelope. If sending multiple pieces of memory, please send in larger package and ensure proper postage. 5.Drop off the envelope/package in the mail. http://electronicrecyclers.com/kingston-take-back.aspx	
Garage Kitchen	Metal polish with solvent	Kerosene, ammonia, alcohol.	Flammable	Use up as intended. Small quantities can be placed in garbage.	Toothpaste
Bathroom	Nail polish	Toluene, xylene	Irritating, toxic	Use up as intended. Small quantities can be placed in garbage.	Use water based nail polish.
Bathroom	Nail polish remover	Acetone, ethyl acetate	Irritating, toxic, flammable	Use up as intended. Small quantities can be placed in garbage.	Purchase less toxic nail polish remover.
Garage	Oil - Filter	Petroleum distillates/oil	Water pollutant	Drain for 24 hours before disposing filter into garbage. Oil can be recycled.	No alternatives.
Garage	Oil - New Motor	Petroleum hydrocarbons, heavy metals	Water pollutant	Use up as intended. Give to someone who can use it. Liquid (up to 5 gallons limit) can be taken to next HHW event.	Synthetic reformulated petroleum oil is currently available.
Garage	Oil - Used Motor	Hydrocarbons, petroleum distillates, heavy metals	Flammable, toxic Water pollutant	For recycling options either take the used oil to the next HHW event (up to 5 gallons) or for larger volumes, check with your local service station, Yellow Pages or ADEQ website for used motor oil recyclers. http://www.azdeq.gov/enviro/waste/solid/6d.html	Synthetic reformulated petroleum oil is currently available.
Kitchen	Oil - Vegetable	Oil	Water pollutant	Reuse contents before disposal. Take to next HHW event.	Use or purchase less material.
Kitchen	Oven cleaner (lye base)	Potassium/sodium hydroxide, ammonia, lye	Corrosive, toxic	Use up as intended. Small quantities can be added to garbage. Cleaner can be taken to next HHW event.	Clean spills as soon as the oven cools using steel wool and baking soda; for tough stains, add salt (do not use this method in self-cleaning or continuous-cleaning ovens).

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Workshop	Paint - Auto	Volatile Organic Compounds (VOCs)	Flammable	Use up as intended. Dried paint can be added to garbage. Liquid (up to 20 gallons limit for all paint) can be taken to next HHW event.	Use or purchase less material.
Workshop	Paint - Latex or water based	Resins, glycol, ethers, esters, pigments		Use up as intended. Do not pour any paint down the drain since it increases wastewater treatment. Do not place on curb for annual bulk trash collection or in the blue recycle container. Dried latex paint can be added to garbage. Liquid (up to 20 gallons limit for all paint) can be taken to next HHW event.	Latex without glycol or phenyl compounds, acetate, pigments, or resins, limestone-based (whitewash) paint, casein-based paint
Workshop	Paint - Oil or enamel based	Ethylene, aliphathydr carbons, petroleum distillates, heavy metals	Flammable, toxic	Use up as intended. Do not pour any paint down the drain since it increases wastewater treatment costs. Do not place on curb for annual bulk trash collection or in the blue recycle container. Solid oil based paint can be added to garbage. Liquid (up to 20 gallons limit for all paint) can be taken to next HHW event.	Use water based latex paint.
Workshop	Paint - Primer	Petroleum distillates	Flammable	Use up as intended. Liquid (up to 20 gallons limit for all paint) can be taken to next HHW event.	Use or purchase less material.
General	Paint and varnish removers	Acetone, methylethyl ketone, toluene, xylenes, cresol, methylene chloride, petroleum distillates	Flammable, toxic, possible carcinogen	Use up as intended. Never pour down the drain since these materials are FLAMMABLE. Take to next HHW event.	Sandpaper, heat gun
Workshop	Paint brush cleaner w/ solvent	VOCs	Flammable	Use up as intended. Liquid (up to 5 gallons limit for all solvents) can be taken to next HHW event.	Use water-based paints
Workshop	Paint brush cleaner w/TSP (Trisodium Phosphate)			Use up as intended. Refer to container label instructions for proper disposal. Can be taken to next HHW (up to 5 gallons limit for all solvents)	Best cleaning option

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Workshop	Paint related products (turpentine, linseed, oil, varnish, etc.)	n-butyl alcohol, isobutyl ketone, petroleum distillates	Flammable	Use up as intended. Liquid (up to 5 gallons limit for all solvents) can be taken to next HHW event.	Use water in water-based paints
Workshop	Paint stripper	Sodium hydroxide, ethanol.	Flammable	Use up as intended. Liquid (up to 5 gallons limit for all solvents) can be taken to next HHW event.	Use or purchase less material.
Workshop	Paint stripper (lye base)	Lye	Corrosive	Use up as intended. Liquid (up to 5 gallons limit for all solvents) can be taken to next HHW event.	Use or purchase less material.
Garage	Pesticides/Herbicides/Fungicides	Numerous, various poisons, diazinon, methyl bromide, paraformaldehyde, atrazine, malathion	Toxic	Use up as intended. Can be taken to the next HHW event for incineration. No more than 5 gallons liquid or 5 lbs solid.	Use a less toxic approach. Implement Integrated Pest Management (IPM) Program. Plant spray - Wipe leaves with mild soap and water; rinse.
Office	Photographic chemicals	Silver, acetic acid, ferrocyanide, hydroquinone. Over 20,000 products currently on market.	Corrosive, toxic, irritant	Use them up. Check with photographic materials supplier to see if they can use your unwanted supplies. If you have color photography chemicals and solutions contact the manufacturer for disposal instructions. Disposal option - Can be taken to next HHW event.	Convert to computer printer to print photos.
Garage	Poisons Rat Poisons	Various, warfarin, strychnine, bromethalin	Toxic, carcinogen	Use up as intended. Take to next HHW event for incineration.	Reduce use.
General	Polishes - Floor and furniture	Ethylene glycol, petroleum distillates, nitrobenzene	Flammable, toxic	Use up as intended. Take to next HHW event.	1 part lemon juice w/2 parts olive, vegetable, or mineral oil.
Pool	Pool Chemicals	Muriatic acid, sodium hypochlorite, algaecide	Corrosive, toxic	Use them up or give them away to someone who will. Do not place on curb for annual bulk trash collection, in the blue recycle container or in the green trash collection bin if any liquid remains in the container. Take to next HHW event.	Salt water pools

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Outside	Propane Tanks (Barbeque size or camp stove. No oxygen, helium, or acetylene)	Propane	Explosive, flammable	Use up the gas as intended or donate it to someone who will. Take container to next the HHW event. For barbeque size, an alternative disposal could include contacting your propane tank provider.	For barbeque containers, continue to refill the container. Do not refill camp stove size containers.
General	Radioactive material	Radioactive material	Radiation poisoning	Call Arizona Radiation Regulatory Agency (602) 255-4845.	
General	Rat and mouse killer	Lead arsenate, coumarins (warfarin), strychnine	Toxic	Use up contents as intended. Take unused to next HHW event.	Remove food and water sources, clear nests, cover holes and drains rats may enter, use mechanical traps
Garage	Roach and ant killer	Organophosphates, carbamates	Toxic	Use up contents before disposal. Take to next HHW event.	Roaches: traps, boric acid Ants: chili pepper/cream of tartar in ants' path. Implement Integrated Pest Management Program.
General	Rug and upholstery cleaners	Naphthalene, oxalic acid, diethylene glycol	Irritant toxic, corrosive	Use up contents before disposal. E66Check manufacturer's recommendation. Small quantities can be placed in garbage.	Dry corn starch or baking soda sprinkled on rug then vacuumed up. Deodorize dry carpets by sprinkling liberally with baking soda. Wait at least 15 minutes and vacuum. Repeat if necessary.

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Kitchen	Silver Polish	Caustics, surfactants, diatomite, quartz, clay	Corrosive	Use up contents before disposal. Take to next HHW event.	Boil 2 to 3 inches of water in a shallow pan with 1 teaspoon of salt, 1 teaspoon of baking soda, and a sheet of aluminum foil. Totally submerge silver and boil for 2 to 3 more minutes. Wipe away tarnish. Repeat if necessary. (Do not use this method on antique silver knives. The blade will separate from the handle.) Another alternative is to use nonabrasive toothpaste.
General	Syringes/ Needles	Biohazard	Reusing can spread disease	Disposable hypodermic syringes and needles are used in many homes to administer medications such as allergy shots and insulin. Improper disposal of the needles can injure waste handlers. Dispose of the hypodermic needles by placing them in a rigid, puncture resistant, leak-proof container. When the container is full, seal it with duct tape and place the container in the solid waste container. See government sponsored websites: http://www.azdeq.gov/environ/waste/solid/download/sharps.pdf http://www.epa.gov/osw/nonhaz/industrial/medical/med-home.pdf	
General	Thermometers	Mercury	Toxic	Take to the next HHW event.	Purchase mercury free or low-mercury thermometers.
General	Thermostats	Mercury	Toxic	Take to electrical supply company or next HHW event for recycling.	Install electric thermostats.

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Garage	Tires	Rubber, pigments, chemicals	Tires stored improperly can collect water that mosquitoes may use for breeding.	When replacing tires, leave tires with dealer. Do not place on curb for annual bulk trash collection, in the blue recycle container or in the green trash container. For other tires, take to the next HHW event or the Yavapai County Tire Yard (928)771-3100	Drive less and make sure tire pressure is correct.
Bathroom	Toilet bowl cleaners	Muriatic or oxalic acid, paradichlorobenzene, sodium bisulfate, 5-Dimethylidantoin, hydrochloric acid, phenol	Irritant, toxic corrosive	Use up contents before disposal. Small amounts can be poured down the drain (see container label instructions for acid/caustic dilution) or take to the next HHW event.	Use a toilet brush and baking soda or vinegar. (This will clean but not disinfect). Also a mild detergent or hot vinegar and borax acid could be used.
Workshop	Varnishes and stains	VOC	Flammable	Use up contents before disposal. Take to next HHW event.	Latex or water-based paints
Kitchen	Window cleaner	Ammonia, isopropanol	Irritant	Use up contents before disposal. Small amounts can be poured down the drain (see container label instructions for acid/caustic dilution) or take to the next HHW event.	Mix 1 tablespoon of vinegar or lemon juice in 1 quart of water. Spray on and use newspaper to wipe dry.
Garage	Wiper fluid	Methanol, ethylene glycol, isopropanol	Poison, flammable	Use up contents before disposal. Pour small quantities down drain with plenty of water.	Vinegar & water
Workshop	Wood preservative	Pentachlorophenol, creosote, copper naphthenate, zinc, arsenic	Toxic, irritant, possible carcinogenic	Use up as intended. Take to next HHW event for incineration.	Water-based wood preservatives

Notes

DO NOT mix anything with a commercial cleaning agent.

If you do store a homemade mixture, make sure it is properly labeled and do not store it in a container that could be mistaken for food or beverage.

When preparing alternatives, mix only what is needed for the job at hand and mix them in clean, reusable containers. This avoids waste and the need to store any cleaning mixtures.

Some information provided by purdue.edu/dp/envirosoft/housewaste/house/products.htm

Other information and locations for recycling is available at earth911.org

www.epa.gov/epawaste/wycd/home.htm

The outside links provided are not endorsed by the city of Prescott

Special Thanks to the city of Phoenix for sharing their research with Prescott!