

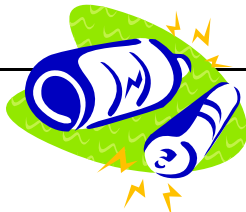








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Type of Product	Hazardous chemicals that could be an ingredient	Why they can be dangerous	Recommended Disposal Method HHW = City of Phoenix Household Hazardous Waste Events http://phoenix.gov/GARBAGE/bopa.html	Less Toxic Alternatives 
Aerosol sprays	Butanol, butane propanol	Flammable, irritant explosive	Use up as intended. Can be placed in garbage or if full taken to next HHW event.	Pump-type sprays, brush or roll-on applicators, potpourri
Aftershaves, perfumes, etc	Alcohol	Flammable	Use up as intended. Can be placed in garbage or taken to the next HHW event.	
Air fresheners	Hydrocarbons, perfume oils, ether, acetone, propane	Flammable, respiratory irritation	Use up as intended. Can be placed in garbage or taken to HHW event.	Non-aerosol, matches, baking soda, potpourri, citrus pomander
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
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 less than 10 gallons, antifreeze can be taken to the next HHW event.	Use recycled antifreeze.
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 10 gallons, the products can be taken to the next HHW event.	Synthetic reformulated petroleum oil is currently available.
Batteries - Alkaline (AAA, AA, A, C, D, 9 Volt)	Manganese dioxide, zinc, potassium hydroxide	Do not burn or crush	Can be placed into garbage container.	Solar-power; wind-up watches; rechargeable batteries 
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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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, Home Depot, Radio Shack, Sears, etc. To find location near you go to http://rbrc.org/call2recycle/ . Take to next HHW event.	Best alternative 
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
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
Car wax with solvent	Solvent	Flammable	Use up as intended. Minimum quantities can be placed in garbage.	Use water based car wax
Cell phones with rechargeable batteries 	Heavy metals such as cadmium, mercury, lead	Toxic	Take to next Household Hazardous Waste Collection events. Donate to: Students Recycling Used Technology http://azstrut.org/ or recycle by dropping off the batteries at local stores where you purchased the phone or other locations listed at http://rbrc.org/call2recycle/ or www.plugintorecycling.org	Don't replace as often.
Cleaners - Solvent	Volatile Organic carbon	Flammable	Use as intended. Disposal - Take to next HHW event.	Use citrus based products.
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.




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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 or home improvement store for a location nearest your house for free recycling opportunities. Used bulbs can also be placed in a sealed plastic bag and placed into the garbage.	Purchase EPEAT equipment. http://epeat.net/ 
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.
 Diesel fuel	Petroleum	Flammable, poison	Use up as intended. For disposal of contaminated fuel - take to next HHW event.	Biodiesel. Use Hybrid and CNG vehicles
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
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. Use a plunger or plumber's snake.
Fertilizer	Nitrogen, phosphorus, and potassium, ammonium nitrate or lime	Storm water pollution	Use up as intended. Give to a neighbor. Disposal - Place in solid waste.	Compost material or manure
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
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



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Furniture polish	Ammonia, naphtha, nitrobenzene, petroleum distillates, phenol	Flammable, poison, inhalation concerns	Use up as intended. For disposal - 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
Furniture Strippers	Petroleum distillates	Poison, flammable, inhalation concerns	Use up as intended. For disposal - Take to next HHW event.	Sandpaper, heat gun
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 for energy recovery.	Ethanol. Use CNG or hybrid vehicles.
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 
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.
Hair color	Cadmium chloride, cobalt chloride, cupric chloride, lead acetate, silver nitrate	Irritant, toxic	Use up as intended.	Use true henna a plant derived product.
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.
Ink or Toner Cartridges	Dyes, pigments, iron oxides, styrene.	Irritant	Return to vendor or recycler.	Print less.
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. Used bulbs can also be placed in a sealed plastic bag and placed into the garbage. 	Best option compared to incandescent bulb.






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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.	Best option 
Medicine (expired or excess)		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."— http://whitehousedrugpolicy.gov/drugfact/factsht/proper_disposal.html or http://azdeq.gov/environ/waste/solid/download/pre_disp.pdf	
Metal polish with solvent	Kerosene, ammonia, alcohol.	Flammable	Use up as intended. Small quantities can be placed in garbage.	Toothpaste
Nail polish	Toluene, xylene	Irritating, toxic	Use up as intended. Small quantities can be placed in garbage.	Use water based nail polish.
Nail polish removal	Acetone, ethyl acetate	Irritating, toxic, flammable	Use up as intended. Small quantities can be placed in garbage.	Purchase less toxic nail polish remover.
Oil - Filter	Petroleum distillates/oil	Pollutant	Drain for 24 hours before disposing filter into garbage. Oil can be recycled.	No alternatives.
Oil - New Motor	Petroleum hydrocarbons, heavy metals	Storm water pollution	Use up as intended. Give to someone who can use it. Liquid (up to 10 gallons limit) can be taken to next HHW event.	Synthetic reformulated petroleum oil is currently available.
Oil - Used Motor	Hydrocarbons, petroleum distillates, heavy metals	Flammable, toxic Storm water pollution	For recycling options either take the used oil to the next HHW event or for larger volumes, check with your local service station, yellow pages or ADEQ website for used motor oil recyclers. http://www.azdeq.gov/environ/waste/solid/html	Synthetic reformulated petroleum oil is currently available. 
Oil - Vegetable	Oil	Pollutant to storm water	Reuse contents before disposal. Disposal - take to next HHW event.	Use or purchase less material.
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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Paint - Auto	VOC	Flammable	Use up as intended. Dried paint can be added to garbage. Liquid (up to 20 gallons limit) can be taken to next HHW event.	Use or purchase less material.
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 Bulk Trash Collection or in the Blue Recycle Container. Dried latex paint can be added to garbage. Liquid (up to 20 gallons limit) can be taken to next HHW event.	Latex w/o glycol or phenyl compounds, acetate, pigments, or resins, limestone-based (whitewash) paint, casein-based paint
Paint - Oil or enamel based	Ethylene, aliphathydrocarbons, 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 Bulk Trash Collection or in the Blue Recycle Container. Solid latex paint can be added to garbage. Liquid (up to 20 gallons limit) can be taken to next HHW event.	Use or purchase less material or only the paint that you need. Choice paint with the lowest VOC rating or choice paint that is California Super-Compliant VOC http://aqmd.gov/prdas/brochures/Super-Compliant_AIM.pdf
Paint - Primer	Petroleum distillates	Flammable	Use up as intended. Liquid (up to 20 gallons limit) can be taken to next HHW event.	Use or purchase less material.
Paint and varnish removers	Acetone, methylethyl ketone, toluene, xylenes, cresol, methylene chloride,	Flammable, toxic, possible carcinogen	Use up as intended. Never pour down the drain since these materials are FLAMMABLE. Disposal - take to next HHW event.	Sandpaper, heat gun
Paint brush cleaner w/ solvent	VOC	Flammable	Use up as intended. Liquid (up to 20 gallons limit) can be taken to next HHW event.	Use water-based paints
Paint brush cleaner w/TSP			Use up as intended. Refer to container label instructions for proper disposal.	Best cleaning option
Paint related products (turpentine, linseed, oil, varnish, etc.	n-butyl alcohol, isobuty ketone, petroleum distillates	Flammable	Use up as intended. Liquid (up to 5 gallons limit) can be taken to next HHW event.	Use water in water-based paints



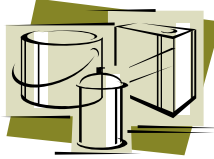

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Paint stripper	Sodium hydroxide, ethanol.	Flammable	Use up as intended. Liquid (up to 5 gallons limit) can be taken to next HHW event.	Use or purchase less material.
Paint stripper (lye base)	Lye	Corrosive	Use up as intended. Liquid (up to 5 gallons limit) can be taken to next HHW event.	Use or purchase less material.
Pesticides/Herbicides/Fungicides	Numerous, varies poisons, diazinon, methyl bromide, paraformaldehyde, atrazine, malathion	Toxic 	Use up as intended. Disposal - Can be taken to the next HHW event for incineration. No more than 5 gallon 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.
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. 
Poisons Rat Poisons	Various, warfarin,	Toxic, carcinogen	Use up as intended. Disposal - take to next HHW event for incineration.	Reduce use.
Polishes - Floor and furniture	Ethylene glycol, petroleum distillates, nitrobenzene	Flammable, toxic	Use up as intended. Disposal - Take to next HHW event.	1 part lemon juice w/2 parts olive, vegetable, or mineral oil.
Pool Chemicals 	Muriatic acid, sodium hypochlorite, algacide	Corrosive, toxic	Use them up or give them away to someone who will like your neighbor. Do not place on curb for bulk trash collection, in the blue recycle container or in the green trash collection bin if any liquid remains in the container. Disposal - Take to next HHW event.	None, currently.
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 HHW event. For barbeque size, an alternative disposal could include contacting Amerigas.	For barbeque containers, continue to refill the container. Do not refill camp stove size containers. 

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Radioactive material	Radioactive material	Radiation poisoning	Call Arizona Radiation Regulatory Agency (602) 255-845.	Don't use.
Rat and mouse killer	lead arsenate, coumarins (warfarin), strychnine	Toxic	Use up contents as intended. Disposal - Take unused to next HHW event.	Remove food and water sources, clear nests, cover holes and drains rats may enter, use mechanical traps
Roach and ant killer	Organophosphates, carbamates	Toxic 	Use up contents before disposal. Disposal - Take to next HHW event.	Roaches: traps, boric acid ants: chili pepper/cream of tarter in ants path. Implement Integrated Pest Management Program.
Rug and upholstery cleaners	Naphthalene, oxalic acid, diethylene glycol	Irritant toxic, corrosive	Use up contents before disposal. Disposal - Check manufacturers 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.
Silver Polish	Caustics, surfactants, diatomite, quartz, clay	Corrosive	Use up contents before disposal. 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.
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.	
Thermometers	Mercury	Toxic	Take to HHW Event. 	Purchase mercury free or low-mercury thermometers.
Thermostats	Mercury	Toxic	Take to HHW Event for recycling.	Install electric thermostats.

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<p>Tires</p> 	<p>Rubber, pigments, chemicals</p>	<p>Tires stored improperly can collect water that mosquitoes may use for breeding.</p>	<p>When replacing tires, leave tires with dealer. Do not place on curb for bulk trash collection, in the blue recycle container or in the green trash container. For other tires, take to the next HHW event or Transfer Station (limit 5 per person) or contact Maricopa County Landfill</p>	<p>Drive less and make sure tire pressure is correct.</p>
<p>Toilet bowl cleaners</p>	<p>Muriatic or oxalic acid, paradichlorobenzene, sodium bisulfate, 5-Dimethyldantoin, hydrochloric acid, phenol</p>	<p>Irritant, toxic corrosive</p>	<p>Use up contents before disposal. Small amounts can be poured down the drain (see container label instructions for acid/caustic dilution) or take to next HHW event.</p>	<p>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.</p>
<p>Varnishes and stains</p>	<p>VOC</p>	<p>Flammable</p>	<p>Use up contents before disposal. Disposal - take to next HHW event.</p>	<p>Latex or water-based paints</p> 
<p>Window cleaner</p>	<p>Ammonia, isopropanol</p>	<p>Irritant</p> 	<p>Use up contents before disposal. Small amounts can be poured down the drain (see container label instructions for acid/caustic dilution) or take to next HHW event.</p>	<p>Mix 1 tablespoon of vinegar or lemon juice in 1 quart of water. Spray on and use newspaper to wipe dry.</p>
<p>Wiper fluid</p>	<p>Methanol, ethylene glycol, isopropanol</p>	<p>Poison, flammable</p>	<p>Use up contents before disposal. Pour small quantities down drain with plenty of water.</p>	<p>Vinegar & water</p>
<p>Wood preservative</p>	<p>Pentachlorophenol, creosote, copper naphthenate, zinc, arsenic</p>	<p>Toxic, irritant, possible carcinogenic</p>	<p>Use up as intended. For disposal - take to next HHW event for incineration.</p>	<p>Water-based wood preservatives</p>

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 mixture

Some information provided by <http://purdue.edu/dp/envirosoft/housewaste/house/products.htm>

Other information and locations for recycling is available at <http://earth911.org/>