



## What is Hazardous Waste?

### Definition

Hazardous waste is waste that is a management problem by virtue of its toxicity or chemical or physical characteristics which make it difficult to dispose of or treat safely and is not suitable for disposal in a Class I, II, III or IV landfill, but is suitable in a geological repository (Class V).

Tellus is a wholesale service provider and is predominately focused on industrial generated haz waste. Tellus' facilities are not open to the public (households). However Tellus will receive household haz waste via reputable waste management companies that will collect hazardous waste from households and bring it to Tellus facilities.

Many of the wastes listed in the household column are commonly found in households and end up as haz. waste. Most are manufactured in industrial settings that also generate waste. Both household and industrial haz waste could be potentially hazardous to human health and the environment if not managed correctly.

*Table 1: Common household and industrial haz wastes*

Common household haz waste	Common industrial haz waste (NEPM 75 basis)
Aerosols	Acidic solutions
All-purpose cleaners	Antimony compounds
Ammonia	Arsenic compounds
Ant/roach killers	Asbestos
Antibacterial products and disinfectants	Barium compounds
Antifreeze	Basic solutions
Arsenic	Beryllium compounds
Artist paints	Boron compounds
Automobile batteries	Cadmium compounds
Automotive fluids and oils	Ceramic-based fibres (asbestos)
Brake fluid	Chlorates
Bug/insect killer	Chromium compounds
Boating waste	Clinical and related wastes
Butane and propane tanks	Cobalt compounds
Carburetor cleaner	Containers -contaminated
Charcoal	Copper compounds
Chemicals	Cyanides (inorganic and organic)
Chemistry sets	Ethers
Chlorine bleach	Filter cake
Contact cement	Fire debris and fire wash waters
Drain opener/cleaner	Fly ash,
Engine degreaser	Halogenated organic solvents
Fertilizer	Highly odorous organic chemicals
Fire extinguishers	Inorganic fluorine compounds
Flares	Inorganic sulfides

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### Common household haz waste

Flea Killers  
Fluorescent light ballasts, bulbs and tubes  
Formaldehyde  
Fuel filters  
Fungicides and Pesticides (indoor and garden)  
Furniture polish and stain  
Gasoline/fuel  
Glue (Model cement and thinners)  
Hair color and hair spray  
Hobby chemicals  
Household batteries  
Kerosene  
Lead-based paint  
Lice shampoo  
Marine bottom paint (anti-fouling)  
Metal cleaners  
Moss control  
Mothballs  
Motor oil  
Nail polish and remover  
Oil filters  
Oil-based paint  
Oven cleaner  
Paint strippers and thinners  
PCBs (Polychlorinated biphenyls)  
Pepper spray  
Photographic materials  
Rat / slug poison  
Rubber cement  
Rust remover  
Shampoo  
Spot and stain remover  
Spray paint  
Thermometers and thermostats with mercury  
Toilet bowl cleaner  
Transmission fluid  
Varnish and lacquer  
Weed killers  
Wood preservatives

### Common industrial haz waste (NEPM 75 basis)

Isocyanate compounds  
Lead; lead compounds  
Mercury; mercury compounds  
Metal carbonyls  
Nickel compounds  
Non-toxic salts  
Organic phosphorous compounds  
Organic solvents  
Organo halogen compounds  
Perchlorates  
Phenol compounds  
Phosphorus compounds  
Polychlorinated dibenzo-furan  
Polychlorinated dibenzo-p-dioxin  
Residues from industrial waste treatment/disposal operations  
Selenium compounds  
Soils contaminated with a controlled waste  
Surface active agents (surfactants)  
Tannery wastes  
Tellurium compounds  
Thallium; thallium compounds  
Triethylamine catalysts  
Tyres  
Vanadium compounds  
Waste chemical substances arising from R&D  
Waste- peroxides  
Waste - heat treatment - cyanides  
Waste - wood-preserving chemicals  
Waste - pharmaceutical products  
Waste - use of biocides  
Waste - inks, dyes, pigments, paints, lacquers  
Waste - organic solvents  
Waste - photographic chemicals and processing  
Waste - resins, latex, plasticisers, glues  
Waste - mineral oils  
Waste - oil/water, hydrocarbons/water mixtures  
Waste - pharmaceuticals, drugs and medicines  
Waste - surface treatment of metals and plastics  
Waste - polychlorinated biphenyls, polychlorinated naphthalenes, polychlorinated terphenyls and/or polybrominated biphenyls  
Waste - refining, distillation, pyrolytic treatment  
Wool scouring wastes  
Zinc compounds

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