

# K Listed Hazardous Wastes from Specific Sources Appendix C

---

## Wood preservation:

**K001** Bottom sediment sludge from the treatment of wastewaters from wood (T) preserving processes that use creosote and/or pentachlorophenol

## Inorganic pigments:

**K002** Wastewater treatment sludge from the production of chrome yellow and (T) orange pigments

**K003** Wastewater treatment sludge from the production of molybdate orange (T) pigments

**K004** Wastewater treatment sludge from the production of zinc yellow pigments (T)

**K005** Wastewater treatment sludge from the production of chrome green pigments (T)

**K006** Wastewater treatment sludge from the production of chrome oxide green (T) pigments (anhydrous and hydrated)

**K007** Wastewater treatment sludge from the production of iron blue pigments (T)

**K008** Oven residue from the production of chrome oxide green pigments (T)

## Organic chemicals:

**K009** Distillation bottoms from the production of acetaldehyde from ethylene (T)

**K010** Distillation side cuts from the production of acetaldehyde from ethylene (T)

**K011** Bottom stream from the wastewater stripper in the production of (R,T) acrylonitrile,

**K013** Bottom stream from the acetonitrile column in the production of acrylonitrile (R,T)

**K014** Bottoms from the acetonitrile purification column in the production of (T) acrylonitrile

**K015** Still bottoms from the distillation of benzyl chloride (T)

**K016** Heavy ends or distillation residues from the production of carbon tetrachloride (T)

**K017** Heavy ends (still bottoms) from the purification column in the production (T) of epichlorohydrin

**K018** Heavy ends from the fractionation column in ethyl chloride production (T)

**K019** Heavy ends from the distillation of ethylene dichloride in ethylene dichloride (T) production

**K020** Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer (T) production

**K021** Aqueous spent antimony catalyst waste from fluoromethanes production (T)

**K022** Distillation bottom tars from the production of phenol/acetone from cumene (T)

**K023** Distillation light ends from the production of phthalic anhydride from (T) naphthalene

**K024** Distillation bottoms from the production of phthalic anhydride from (T) naphthalene

**K093** Distillation light ends from the production phthalic anhydride from (T) ortho-xylene

**K094** Distillation bottoms from the production of phthalic anhydride from (T) ortho-xylene

**K025** Distillation bottoms from the production of nitrobenzene by the nitration of (T) benzene

**K026** Stripping still tails from the production of methy ethyl pyridines (T)

**K027** Centrifuge and distillation residues from toluene diisocyanate production (R,T)

**K028** Spent catalyst from the hydrochlorinator reactor in the production of (T) 1,1,1-trichloroethane

**K029** Waste from the product steam stripper in the production of 1,1,1-trichloroethane (T)

**K095** Distillation bottoms from the production of 1,1,1-trichloroethane (T)

**K096** Heavy ends from the heavy ends column from the production of (T) 1,1,1-trichloroethane

**K030** Column bottoms or heavy ends from the combined production of (T) trichloroethylene and perchloroethylene

**K083** Distillation bottoms from aniline production (T)

**K103** Process residues from aniline extraction from the production of aniline (T)

**K085** Distillation or fractionation column bottoms from the production of (T) chlorobenzenes

**K105** Separated aqueous stream from the reactor product washing step in the of (T) production chlorobenzenes

**K107** Column bottoms from product separation from the production of (C,T) 1,1-dimethyl-hydrazine (UDMH) from carboxylic acid hydrazines.

**K108** Condensed column overheads from product separation and condensed reactor (I,T) vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.

**K109** Spent filter cartridges from product purification from the production of (T) 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.

**K110** Condensed column overheads from intermediate separation from the production (T) of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.

**K111** Product washwaters from the production of dinitrotoluene via nitration (C,T) of toluene.

**K112** Reaction by-product water from the drying column in the production of (T) toluenediamine via hydrogenation of dinitrotoluene

**K113** Condensed liquid light ends from the purification of toluenediamine in (T) the production of toluenediamine via hydrogenation of dinitrotoluene.

**K114** Vicinals from the purification of toluene-diamine in the production of (T) toluenediamine via hydrogenation of dinitrotoluene.

**K115** Heavy ends from the purification of toluene-diamine in the production of (T) toluenediamine via hydrogenation of dinitrotoluene.

**K116** Organic condensate from the solvent recovery column in the production (T) of toluene diisocyanate via phosgenation of toluenediamine.

**K117** Wastewater from the reactor vent gas scrubber in the production of (T) ethylene di-bromide via bromination of ethane.

**K118** Spent adsorbent solids from purification of ethylene dibromide in the (T) production of ethylene dibromide via bromination of ethane.

**K136** Still bottoms from the purification of ethylene dibromide in the (T) production of ethylene dibromide via bromination of ethane.

**K149** Distillation bottoms from the production of alpha- (or methyl-) chlorinated (T) toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups, (This waste does not include still bottoms from the distillation of benzyl chloride.)

**K150** Organic residuals, excluding spent carbon adsorbent, from the spent (T) chlorine gas and hydrochloric acid recovery processes associated with the production of alpha-(or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.

**K151** Wastewater treatment sludges, excluding neutralization and biological sludges, (T) generated during the treatment of wastewaters from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.

**K156** Organic waste (including heavy ends, still bottoms, light ends, spent solvents, (T) solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.)

**K157** Wastewaters (including scrubber waters, condenser waters, washwaters, and (T) separation waters) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.)

**K158** Bag house dusts and filter/separation solids from the production of carbamates (T) and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.)

**K159** Organics from the treatment of thiocarbamate wastes (T)

**K161** Purification solids (including filtration, evaporation, and centrifugation (R,T) solids), bag house dust and floor sweepings from the production of dithiocarbamate acids and their salts. (This listing does not include K125 or K126.)

## **Inorganic chemicals:**

**K071** Brine purification muds from the mercury cell process in chlorine production, (T) where separately prepurified brine is not used

**K073** Chlorinated hydrocarbon waste from the purification step of the diaphragm (T) cell process using graphite anodes in chlorine production

**K106** Wastewater treatment sludge from the mercury cell process in chlorine (T) production

## **Pesticides:**

**K031** By-product salts generated in the production of MSMA and cacodylic acid (T)

**K032** Wastewater treatment sludge from the production of chlordane (T)

**K033** Wastewater and scrub water from the chlorination of cyclopentadiene (T) in the production of chlordane

**K034** Filter solids from the filtration of hexachlorocyclopentadiene in the (T) production of chlordane

**K097** Vacuum stripper discharge from the chlordane chlorinator in the production (T) of chlordane

**K035** Wastewater treatment sludges generated in the production of creosote (T)

**K036** Still bottoms from toluene reclamation distillation in the production of (T) disulfoton

**K037** Wastewater treatment sludges from the production of disulfoton (T)

**K038** Wastewater from the washing and stripping of phorate production (T)

**K039** Filter cake from the filtration of diethylphosphorodithioic acid in the (T) production of phorate

**K040** Wastewater treatment sludge from the production of phorate (T)

**K041** Wastewater treatment sludge from the production of toxaphene (T)

**K098** Untreated process wastewater from the production of toxaphene (T)

**K042** Heavy ends or distillation residues from the distillation of (T) tetrachlorobenzene in the production of 2,4,5-T

**K043** 2,6-Dichlorophenol waste from the production of 2,4-D (T)

**K099** Untreated wastewater from the production of 2,4-D (T)

**K123** Process wastewater (including supernates, filtrates, and washwaters) from (T) the production of ethylenebisdithiocarbamic acid and its salt.

**K124** Reactor vent scrubber water from the production of ethylenebisdithiocarbamic (C,T) acid and its salts.

**K125** Filtration, evaporation and centrifugation solids from the production (T) of ethylenebisdithiocarbamic acid and its salts.

**K126** Baghouse dust and floor sweepings in milling and packaging operations from (T) the production or formulation of ethylenebisdithiocarbamic acid and its salts.

**K131** Wastewater from the reactor and spent sulfuric acid from the acid dryer (C,T) from the production of methyl bromide.

**K132** Spent absorbent and wastewater separator solids from the production of (T) methyl bromide.

## **Explosives:**

**K044** Wastewater treatment sludges from the manufacturing and processing (R) of explosives

**K045** Spent carbon from the treatment of wastewater containing explosives (R)

**K046** Wastewater treatment sludges from the manufacturing, formulation and (T) loading of lead-based initiating compounds

**K047** Pink/red water from TNT operations (R)

## **Petroleum refining:**

**K048** Dissolved air flotation (DAF) float from the petroleum refining industry (T)

**K049** Slop oil emulsion solids from the petroleum refining industry (T) **K050** Heat exchanger bundle cleaning sludge from the petroleum refining industry (T)

**K051** API separator sludge from the petroleum refining industry (T)

**K052** Tank bottoms (leaded) from the petroleum refining industry (T)

## **Iron and steel:**

**K061** Emission control dust/sludge from the primary production of steel (T) in electric furnaces

**K062** Spent pickle, liquor generated by steel finishing operations of facilities (C,T) within the iron and steel industry (SIC Codes 331 and 332)

## **Primary copper:**

**K064** Acid plant blowdown slurry/sludge resulting from the thickening of blowdown (T) slurry from primary copper production.

## **Primary lead:**

**K065** Surface impoundment solids contained in and dredged from surface (T) impoundments at primary lead smelting facilities.

## **Primary zinc:**

**K066** Sludge from treatment of process wastewater and/or acid plant blowdown (T) from primary zinc production.

## **Primary aluminum:**

**K088** Spent potliners from primary aluminum reduction (T)

## **Ferroalloys:**

**K090** Emission control dust or sludge from ferrochromiumsilicon production. (T)

**K091** Emission control dust or sludge from ferrochromium production. (T)

## **Secondary lead:**

**K069** Emission control dust/sludge from secondary lead smelting. (T)

(NOTE: This listing is stayed administratively for sludge generated from secondary acid scrubber systems. The stay will remain in effect until further administrative action is taken. If EPA takes further action effecting this stay, EPA will publish a notice of the action in the Federal Register.

**K100** Waste leaching solution from acid leaching of emission control dust/sludge (T) from secondary lead smelting

## **Veterinary pharmaceuticals:**

**K084** Wastewater treatment sludges generated during the production of (T) veterinary pharmaceuticals from arsenic or organo-arsenic compounds

**K101** Distillation tar residues from the distillation of aniline-based (T) compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds

**K102** Residue from the use of activated carbon for decolorization in the production (T) of veterinary pharmaceuticals from arsenic or organo-arsenic compounds

## **Ink formulation:**

**K086** Solvent washes and sludges, caustic washes and sludges, or water washes and (T) sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead

## **Coking:**

**K060** Ammonia still lime sludge from coking operations (T)

**K087** Decanter tank tar sludge from coking operations (T)

**K141** Process residues from the recovery of coal tar, including, but not limited to, (T) collecting sump residues from the production of coke from coal or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludges from coking operations).

**K142** Tar storage tank residues from the production of coke from coal or from (T) the recovery of coke by-products produced from coal.

**K143** Process residues from the recovery of light oil, including, but not limited to, (T) those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal.

**K144** Wastewater sump residues from light oil refining, including, but not limited (T) to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.

**K145** Residues from naphthalene collection and recovery operations from the (T) recovery of coke by-products produced from coal.

**K147** Tar storage tank residues from coal tar refining. (T)

**K148** Residues from coal tar distillation, including but not limited to, still bottoms