

1 Pollution Control Agency

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3 Adopted Rule Relating to Hazardous Waste Solvent Mixtures

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5 Rule as Adopted

6 7045.0135 LISTS OF HAZARDOUS WASTES.

7 Subpart 1. [Unchanged.]

8 Subp. 2. Hazardous wastes from nonspecific sources.

9 Hazardous wastes from nonspecific sources are listed as follows:

10 Hazardous		Hazard
11 Waste No.	Hazardous Waste	Code
12		
13	Generic:	
14 F001	The following spent halogenated solvents used in degreasing: tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more by volume of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(T)
24 F002	The following spent halogenated solvents: tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, orthodichlorobenzene, and trichlorofluoromethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more by volume of one or more of the above halogenated solvents or those solvents listed in F001, F004, and F005; and the still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(T)
35 F003	The following spent nonhalogenated solvents: xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, only the above spent nonhalogenated solvents; and all spent solvent mixtures/blends, containing, before use, one or more of the above nonhalogenated solvents and a total of ten percent or more by volume of one or more of those solvents listed in F001, F002, F004, and F005; and the still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(I)
49 F004	The following spent nonhalogenated solvents: cresols and cresylic acid, and nitrobenzene; all spent solvent mixtures/blends containing, before use, a total of ten percent or more by volume of one or more of the above nonhalogenated solvents or those solvents listed in F001, F002, and F005; and the still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(T)
57 F005	The following spent nonhalogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, and pyridine; all spent solvent mixtures/blends containing, before use, a total of ten percent or more by volume of one or more	(I,T)

1 of the above nonhalogenated solvents or those
2 solvents listed in F001, F002, and F004; and the
3 still bottoms from the recovery of these spent
4 solvents and spent solvent mixtures.

5 F006 Wastewater treatment sludges from electroplating (T)
6 operations except from the following processes:
7 (1) sulfuric acid anodizing of aluminum,
8 (2) tin plating on carbon steel, (3) zinc plating
9 (segregated basis) on carbon steel, (4) aluminum
10 or zinc-aluminum plating on carbon steel,
11 (5) cleaning/stripping associated with tin, zinc
12 and aluminum plating on carbon steel, and
13 (6) chemical etching and milling of aluminum

14 F007 Spent cyanide plating bath solutions from (R,T)
15 electroplating operations

16 F008 Plating bath sludges from the bottom of plating (R,T)
17 baths from electroplating operations where
18 cyanides are used in the process

19 F009 Spent stripping and cleaning bath solutions (R,T)
20 from electroplating operations where cyanides
21 are used in the process

22 F010 Quenching bath residues from oil baths from (R,T)
23 metal heat-treating operations where cyanides
24 are used in the process

25 F011 Spent cyanide solutions from salt bath (R,T)
26 pot cleaning from metal heat-treating operations

27 F012 Quenching wastewater treatment sludges from (T)
28 metal heat-treating operations where cyanides
29 are used in the process

30 F019 Wastewater treatment sludges from the chemical (T)
31 conversion coating of aluminum

32 F020 Wastes, except wastewater and spent carbon from (H)
33 hydrogen chloride purification, from the production
34 or manufacturing use as a reactant, chemical inter-
35 mediate, or component in a formulating process of
36 tri- or tetrachlorophenol, or of intermediates used
37 to produce their pesticide derivatives. This
38 listing does not include wastes from the production
39 of hexachlorophene from highly purified 2,4,5-
40 tri-chlorophenol.

41 F021 Wastes, except wastewater and spent carbon from (H)
42 hydrogen chloride purification, from the production
43 or manufacturing use as a reactant, chemical inter-
44 mediate, or component in a formulating process of
45 pentachlorophenol, or of intermediates used to pro-
46 duce its derivatives.

47 F022 Wastes, except wastewater and spent carbon from (H)
48 hydrogen chloride purification, from the
49 manufacturing use as a reactant, chemical
50 intermediate, or component in a formulating process
51 of tetra-, penta-, or hexachlorobenzenes under
52 alkaline conditions.

53 F023 Wastes, except wastewater and spent carbon from (H)
54 hydrogen chloride purification, from the production
55 of materials on equipment previously used for the
56 production or manufacturing use as a reactant,
57 chemical intermediate, or component in a formulating
58 process of tri- and tetrachlorophenols. This
59 listing does not include wastes from equipment used
60 only for the production or use of hexachlorophene
61 from highly purified 2,4,5-trichlorophenol.

62 F024 Wastes, including but not limited to, distillation (T)
63 residues, heavy ends, tars, and reactor cleanout wastes
64 from the production of chlorinated aliphatic
65 hydrocarbons, having carbon content from one to five,
66 utilizing free radical catalyzed processes. This does
67 not include light ends, spent filters and filter aids,
68 spent dessicants, wastewater, wastewater treatment
69 sludges, and spent catalysts.

70 F026 Wastes, except wastewater and spent carbon from (H)
71 hydrogen chloride purification, from the production

- 1 of materials on equipment previously used for the
2 manufacturing use as a reactant, chemical
3 intermediate, or component in a formulating process
4 of tetra-, penta-, or hexachlorobenzene under
5 alkaline conditions.
- 6 F027 Discarded unused formulations containing tri-, (H)
7 tetra-, or pentachlorophenol or discarded unused
8 formulations containing compounds derived from these
9 chlorophenols. This listing does not include
10 formulations containing hexachlorophene synthesized
11 from prepurified 2,4,5-trichlorophenol as the
12 sole component.
- 13 F028 Residues resulting from the incineration or thermal (T)
14 treatment of soil contaminated with hazardous
15 waste Nos. F020, F021, F022, F023, F026, and F027.
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- 17 Subp. 3. to 5. [Unchanged.]