**Section 721.124 Toxicity Characteristic**

a) A solid waste (except manufactured gas plant waste) exhibits the characteristic of toxicity if, using Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA publication number EPA-530/SW-846, as incorporated by reference in 35 Ill. Adm. Code 720.111(a), the extract from a representative sample of the waste contains any of the contaminants listed in the table in subsection (b) at a concentration equal to or greater than the respective value given in that table. If the waste contains less than 0.5 percent filterable solids, the waste itself, after filtering using the methodology outlined in Method 1311, is the extract for this Section.

BOARD NOTE: The reference to the "EP toxicity test" in 35 Ill. Adm. Code 808.410(b)(4) is to be understood as referencing the test required by this Section.

b) A solid waste that exhibits the characteristic of toxicity has the USEPA hazardous waste number specified in the following table that corresponds to the toxic contaminant causing it to be hazardous.

MAXIMUM CONCENTRATION OF CONTAMINANTS

FOR THE TOXICITY CHARACTERISTIC

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USEPA Hazardous Waste No. | Contaminant | CAS Number  | Note | Regulatory Level (mg/ℓ) |
|  |  |  |  |  |
| D004 | Arsenic | 7440-38-2 |  | 5.0 |
| D005 | Barium | 7440-39-3 |  | 100.0 |
| D018 | Benzene | 71-43-2 |  | 0.5 |
| D006 | Cadmium | 7440-43-9 |  | 1.0 |
| D019 | Carbon tetrachloride | 56-23-5 |  | 0.5 |
| D020 | Chlordane | 57-74-9 |  | 0.03 |
| D021 | Chlorobenzene | 108-90-7 |  | 100.0 |
| D022 | Chloroform | 67-66-3 |  | 6.0 |
| D007 | Chromium | 7440-47-3 |  | 5.0 |
| D023 | o-Cresol | 95-48-7 | 2 | 200.0 |
| D024 | m-Cresol | 108-39-4 | 2 | 200.0 |
| D025 | p-Cresol | 106-44-5 | 2 | 200.0 |
| D026 | Cresol |  | 2 | 200.0 |
| D016 | 2,4-D | 94-75-7 |  | 10.0 |
| D027 | 1,4-Dichlorobenzene | 106-46-7 |  | 7.5 |
| D028 | 1,2-Dichloroethane | 107-06-2 |  | 0.5 |
| D029 | 1,1-Dichloroethylene | 75-35-4 |  | 0.7 |
| D030 | 2,4-Dinitrotoluene | 121-14-2 | 1 | 0.13 |
| D012 | Endrin | 72-20-8 |  | 0.02 |
| D031 | Heptachlor (and its epoxide) | 76-44-8 |  | 0.008 |
| D032 | Hexachlorobenzene | 118-74-1 | 1 | 0.13 |
| D033 | Hexachlorobutadiene | 87-68-3 |  | 0.5 |
| D034 | Hexachloroethane | 67-72-1 |  | 3.0 |
| D008 | Lead | 7439-92-1 |  | 5.0 |
| D013 | Lindane | 58-89-9 |  | 0.4 |
| D009 | Mercury | 7439-97-6 |  | 0.2 |
| D014 | Methoxychlor | 72-43-5 |  | 10.0 |
| D035 | Methyl ethyl ketone | 78-93-3 |  | 200.0 |
| D036 | Nitrobenzene | 98-95-3 |  | 2.0 |
| D037 | Pentachlorophenol | 87-86-5 |  | 100.0 |
| D038 | Pyridine | 110-86-1 | 1 | 5.0 |
| D010 | Selenium | 7782-49-2 |  | 1.0 |
| D011 | Silver | 7440-22-4 |  | 5.0 |
| D039 | Tetrachloroethylene | 127-18-4 |  | 0.7 |
| D015 | Toxaphene | 8001-35-2 |  | 0.5 |
| D040 | Trichloroethylene | 79-01-6 |  | 0.5 |
| D041 | 2,4,5-Trichlorophenol | 95-95-4 |  | 400.0 |
| D042 | 2,4,6-Trichlorophenol | 88-06-2 |  | 2.0 |
| D017 | 2,4,5-TP (Silvex) | 93-72-1 |  | 1.0 |
| D043 | Vinyl chloride | 75-01-4 |  | 0.2 |

Notes to Table:

1 Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.

2 If o-, m-, p-cresol concentrations cannot be differentiated, the total cresol (D026) concentration is used. The regulatory level of total cresol is 200.0 mg/ℓ.

(Source: Amended at 48 Ill. Reg. 9827, effective June 20, 2024)