

APPENDIX D

Chemical Tables

The following tables outline most regulated types of hazardous chemicals.

Maximum Concentration of Contaminants for the Toxicity Characteristic

EPA Hazardous Waste NO. [1]	Contaminant	CAS No. [2]	Regulatory Level (mg/ml)
D004	Arsenic	7440382	5
D005	Barium	7440393	100
D018	Benzene	71432	0.5
D006	Cadmium	7440439	1
D019	Carbon tetrachloride	56235	0.5
D020	Chlordane	57749	0.03
D021	Chlorobenzene	08907	100
D022	Chloroform	67663	6
D007	Chromium	7440473	5
D023	oCresol	95487	[4]200.0
D024	mCresol	108394	[4]200.0
D025	pCresol	106445	[4]200.0
D026	Cresol		[4]200.0
D016	2,4D	94757	10
D027	1,4Dichlorobenzene	106467	7.5
D028	1,2Dichloroethane	107062	0.5
D029	1,1Dichloroethylene	75354	0.7
D030	2,4Dinitrotoluene	121142	[3]0.13
D012	Endrin	72208	0.02
D031	Heptachlor (and its epoxide).	76448	0.008
D032	Hexachlorobenzene	118741	[3]0.13
D033	Hexachlorobutadiene	87683	0.5
D034	Hexachloroethane	67721	3.0
D008	Lead	7439921	5.0
D013	Lindane	58899	0.4
D009	Mercury	7439976	0.2
D014	Methoxychlor	72435	10.0
D035	Methyl ethyl ketone	78933	200.0
D036	Nitrobenzene	98953	2.0
D037	Pentachloropheno	187865	100.0
D038	Pyridine	110861	[3]5.0
D010	Selenium	7782492	1.0
D011	Silver	7440224	5.0
D039	Tetrachloroethylene	127184	0.7
D015	Toxaphene	8001352	0.5
D040	Trichloroethylene	79016	0.5
D041	2,4,5Trichlorophenol	95954	400.0
D042	2,4,6Trichlorophenol	88062	2.0
D017	2,4,5TP (Silvex)	93721	1.0
D043	Vinyl chloride	75-01-4	0.2

[1]Hazardous waste number.

[2]Chemical abstracts service number.

[3]Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.

[4]If o, m, and p Cresol concentrations cannot be differentiated, the total cresol (D026) concentration is used. The regulatory level of total cresol is 200 mg/l.

The following materials or items are hazardous wastes if and when they are discarded or intended to be discarded as described in 40 CFR 261.2(a)(2)(i), when they are mixed with waste oil or used oil or other material and applied to the land for dust suppression or road treatment, when they are otherwise applied to the land in lieu of their original intended use or when they are contained in products that are applied to the land in lieu of their original intended use, they are produced for use as (or as a component of) a fuel, distributed for use as a fuel, or burned as a fuel.

(a) Any commercial chemical product or manufacturing chemical intermediate having the generic name listed in paragraph (e) or (f) of this section.

(b) Any off specification commercial chemical or manufacturing chemical intermediate which, if it met specifications, would have the generic name listed in paragraph (e) or (f) of this section.

(c) Any residue remaining in a container or in an inner liner removed from a container that has held any commercial chemical product or manufacturing chemical intermediate having the generic name listed in paragraphs (e) or (f) of this section, unless the container is empty as defined in 40 CFR 261.7(b) of this chapter.

[Comment: Unless the residue is being beneficially used or reused, or legitimately recycled or reclaimed; or being accumulated, stored, transported or treated prior to such use, reuse, recycling or reclamation, EPA considers the residue to be intended for discard, and thus a hazardous waste. An example of a legitimate reuse of the residue would be where the residue remains in the container and the container is used to hold the same commercial chemical product or manufacturing chemical intermediate it previously held. An example of the discard of the residue would be where the drum is sent to a drum reconditioner who reconditions the drum but discards the residue.]

(d) Any residue or contaminated soil, water or other debris resulting from the cleanup of a spill into or on any land or water of any commercial chemical product or manufacturing chemical intermediate having the generic name listed in paragraph (e) or (f) of this section, or any residue or contaminated soil, water or other debris resulting from the cleanup of a spill, into on any land or water, of any off-specification commercial chemical product or manufacturing chemical intermediate having the generic name listed in listed in paragraph (e) or (f) of this section.

[Comment: The phrase "commercial chemical product or manufacturing chemical intermediate having the generic name listed in ..." refers to a chemical substance which is manufactured or formulated for commercial or manufacturing use which consists of the commercially pure grade of the chemical, any technical grades of the chemical that are produced or marketed, and all formulations in which the chemical is the sole active ingredient. It does not refer to a material, such as a manufacturing process waste, that contains any of the substances listed in paragraph (e) or (f). Where a manufacturing process waste is deemed to be a hazardous waste because it contains a substance listed in paragraph (e) or (f), such waste will be listed in either 40 CFR 261.31 or 40 CFR 261.32 or will be identified as a hazardous waste by the characteristics set forth in Subpart C of this part.]

(e) The commercial chemical products, manufacturing chemical intermediate off-specification commercial chemical product or manufacturing chemical intermediates referred to in paragraphs (a) through (d) of this

section, are identified as acute hazardous wastes (H) and are subject to be the small quantity exclusion defined in 40 CFR 261.5(e).

[Comment: For the convenience of the regulated community the primary hazardous properties of these materials have been indicated by the letters T (Toxicity), and R (Reactivity). Absence of a letter indicates that the compound only is listed for acute toxicity.]