

US EPA ARCHIVE DOCUMENT

Table PG1. Chemical-specific Waste Concentrations for Waste Piles (mg/kg)
 Human Receptors -2000 meters; Ecological Receptors - 2000 meters

Chemical Name	CASRN	Protection Group 1			Protection Group 2			Protection Group 3			Protection Group 4		
		HH	Eco	Lowest	HH	Eco	Lowest	HH	Eco	Lowest	HH	Eco	Lowest
Acetonitrile	75-05-8	6	note 1	6	200	note 1	200	200	note 1	200	1000	note 1	1000
Acrylonitrile	107-13-1	0.005	note 1	0.005	0.01	note 1	0.01	0.1	note 1	0.1	10	note 1	10
Aniline	62-53-3	0.7	100	0.7	4	100	4	60	100	60	100	100	100
Arsenic	7440-38-2	30	50	30	50	90	50	3000	90	90	10000	7000	7000
Barium	7440-39-3	6000	600	600	100000	2000	2000	100000	2000	2000	100000	100000	100000
Benzene	71-43-2	20	1000	20	50	1000	50	800	1000	800	1000	1000	1000
Benzo(a)pyrene	50-32-8	1	1	1	1	1	1	1	1	1	1	1	1
Beryllium	7440-41-7	1	1	1	1	1	1	1	1	1	1	1	1
Bis-(2-ethylhexyl) phthalate	117-81-7	100	60	60	100	100	100	100	100	100	100	100	100
Cadmium	7440-43-9	500	40	40	1000	300	300	1000	300	300	1000	1000	1000
Carbon disulfide	75-15-0	50	30	30	900	50	50	900	50	50	1000	100	100
Chlorobenzene	108-90-7	60	100	60	100	100	100	100	100	100	100	100	100
Chloroform	67-66-3	400	700	400	700	3000	700	10000	3000	3000	10000	10000	10000
Dibenz[a,h]anthracene	53-70-3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Dichlorophenoxyacetic acid, 2,4-	94-75-7	20	note 1	20	100	note 1	100	100	note 1	100	1000	note 1	1000
Divalent Mercury	7439-97-6	10	10	10	10	10	10	10	10	10	10	10	10
Ethylene dibromide	106-93-4	0.01	note 1	0.01	0.3	note 1	0.3	0.7	note 1	0.7	300	note 1	300
Lead	7439-92-1	note 2	40	40	note 2	70	70	note 2	70	70	note 2	1000	1000
Methyl ethyl ketone	78-93-3	20	1000	20	600	1000	600	600	1000	600	1000	1000	1000
Methyl methacrylate	80-62-6	100	note 1	100	1000	note 1	1000	1000	note 1	1000	1000	note 1	1000
Methylene chloride	75-09-2	5	6000	5	10	10000	10	400	10000	400	10000	10000	10000
Nickel [+2]	7440-02-0	6000	4000	4000	10000	8000	8000	10000	8000	8000	10000	10000	10000
Nitrobenzene	98-95-3	60	1000	60	1000	1000	1000	1000	1000	1000	1000	1000	1000
Pentachlorophenol	87-86-5	80	200	80	400	700	400	800	700	700	1000	1000	1000
Phenol	108-95-2	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
Pyridine	110-86-1	0.5	1000	0.5	10	1000	10	10	1000	10	1000	1000	1000
Silver	7440-22-4	10	10	10	10	10	10	10	10	10	10	10	10

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Tetrachlorodibenzo-p-dioxin, 2,3,7,8-	1746-01-6	0.003	0.003	0.003	0.007	0.006	0.006	0.01	0.006	0.006	0.01	0.01	0.01
Tetrachloroethylene	127-18-4	1000	5000	1000	2000	5000	2000	5000	5000	5000	5000	5000	5000
Thallium [+1]	7446-18-6	0.05	6	0.05	0.9	10	0.9	0.9	10	0.9	100	100	100
Thiram	137-26-8	100	100	100	100	100	100	100	100	100	100	100	100
Toluene	108-88-3	5000	2000	2000	5000	4000	4000	5000	4000	4000	5000	5000	5000
Trichloroethane, 1,1,1-	71-55-6	4000	6000	4000	10000	10000	10000	10000	10000	10000	10000	10000	10000
Trichloroethylene	79-01-6	600	200	200	2000	400	400	10000	400	400	10000	2000	2000
Vinyl chloride	75-01-4	0.3	5	0.3	0.5	9	0.5	8	9	8	900	200	200
Zinc	7440-66-6	10000	7000	7000	10000	10000	10000	10000	10000	10000	10000	10000	10000

- note 1: Ecological impacts were not evaluated due to the lack of chronic ecological toxicity values.
- note 2: Human impacts were not evaluated due to the lack of human health toxicity values.
- note 3: The values in the highlighted cells are the same as the highest waste concentration evaluated.
- NA: Not Applicable