

US EPA ARCHIVE DOCUMENT

TABLE 2: COMPARISON OF HEALTH-BASED LEVELS WITH UNIVERSAL TREATMENT STANDARDS

Information on Chemicals in Wastes Listed for Ignitability, Corrosivity, and/or Reactivity

#	Chemicals Responsible for the listed wastes in Table 1 of the Preamble	CAS#	Waste Code Incorporating the Chemical	Listed in IRIS?	Oral RfD (mg/kg/d)	RfC (mg/kg/d)	LDR Requirement - WW (conc. in mg/L)	LDR - NWW (mg/kg)	Description	Human Carcinogen?	SF (ug/cm3)	Description	HBL Water Ingestion-50th Percentile	Ratio of UTS/HBL 50th Percentile	HBL Water Ingestion 90th Percentile	Ratio of UTS/HBL 90th Percentile	HBL Soil Ingestion 50th Percentile	Ratio of UTS/HBL 50th Percentile	HBL Soil Ingestion Upper Percentile	Ratio of UTS/HBL Upper Percentile
1	Acetaldehyde	75-07-0	U001	yes		0.009	(WETOX or CHOXD) fb CARBN; or CMBS	CMBST	Degeneration of olfactory epithelium	B (probable)	0.0000022	adenocarcinoma								
2	Acetone	67-64-1	F003,U002	Yes	0.1		0.28	160	Nephrotoxic	D (not classifiable)			5.3E+000	5.2E-002	3.3E+000	8.6E-002	1.7E+004	9.2E-003	4.3E+003	3.7E-002
3	Acrylic Acid	79-10-7	U008	Yes	0.5	0.001	(WETOX or CHOXD) fb CARBN; or CMBS	CMBST	Reduced pup weight, degeneration of olfactory epithelium	D (not classifiable)			2.7E+001		1.6E+001		8.7E+004		2.2E+004	
4	Ammonium Picrate	131-74-8	P009	no																
5	Benzenesulfonyl Chloride	98-09-9	U020	no																
6	Cumene	98-82-8	U055	Yes	0.1	0.4	(WETOX or CHOXD) fb CARBN; or CMBS	CMBST	Nephrotoxic	D (not classifiable)			5.3E+000		3.3E+000		1.7E+004		4.3E+003	
7	Cumene Hydroperoxide	80-15-9	U096	no																
8	Cyclohexane	110-82-7	U056	no																
9	Cyclohexanone	108-94-1	F003,U057	Yes	5		0.36	CMBST	Body weight depression	D (not classifiable)			2.7E+002	1.3E-003	1.6E+002	2.2E-003	8.7E+005		2.2E+005	
10	Dimethylamine	124-40-3	U092	Yes						Unknown										
11	Di-n-propylamine	142-84-7	U110	no																
12	Ethyl Acetate	141-78-6	F003, U112	Yes	0.9		0.34	33	Mortality, depressed body weight	Unknown			4.8E+001	7.1E-003	2.9E+001	1.2E-002	1.6E+005	2.1E-004	3.9E+004	8.5E-004
13	Ethyl Acrylate	140-88-5	U113	no																
14	Ethyl Benzene	100-41-4	F003		0.1	1	0.057	10	Liver and kidney toxicity	D (not classifiable)			5.3E+000	1.1E-002	3.3E+000	1.8E-002	1.7E+004	5.8E-004	4.3E+003	2.3E-003
15	Ethyl Ether	60-29-7	F003, U117	Yes	0.2		0.12	160	Depressed body weight	Unknown			1.1E+001	1.1E-002	6.5E+000	1.8E-002	3.5E+004	4.6E-003	8.7E+003	1.8E-002
16	Furan	110-00-9	U124	Yes	0.001		(WETOX or CHOXD) fb CARBN; or CMBS	CMBST	Liver lesions	Unknown			5.3E-002		3.3E-002		1.7E+002		4.3E+001	
17	Furfural	98-01-1	U125	Yes	0.003		(WETOX or CHOXD) fb CARBN; or CMBS	CMBST	Mild hepatocellular vacuolization	Unknown			1.6E-001		9.8E-002		5.2E+002		1.3E+002	
18	Methanol	67-56-1	F003, U154	Yes	0.5		(WETOX or CHOXD) fb CARBN; or CMBS	CMBST	Increased SAP and SGPT; decreased brain weight	Unknown			2.7E+001		1.6E+001		8.7E+004		2.2E+004	
					0.5		5.6	0.75 mg/l TCLP					2.7E+001	2.1E-001	1.6E+001	3.4E-001	8.7E+004		2.2E+004	
19	Methyl Isobutyl Ketone	108-10-1	F003, U161	Yes	withdrawn					Unknown										
20	N-Butyl alcohol	71-36-3	F003, U031	Yes	0.1		5.6	2.6	hypoactivity and apaxia	D (not classifiable)			5.3E+000	1.0E+000	3.3E+000	1.7E+000	1.7E+004	1.5E-004	4.3E+003	6.0E-004
21	Nitroglycerine	55-63-0	P081	no			CHOXD; CHRED; CARBN; BIODG; OR CN	CHOXD; CHRED; or CMBST												
22	Pentadiene-1,3	504-60-9	U186	no																
23	Sulfur Phosphide	1314-80-3	U189	no																
24	Tetrahydrofuran	109-99-9	U213	no																
25	Tetranitromethane	509-14-8	P112	no																
26	Trinitrotoluene- 2,4,6 (TNT)	118-96-7	K047	Yes	0.0005					DEACT			2.7E-002		1.6E-002		8.7E+001		2.2E+001	
27	Xylenes	1330-20-7	F003, U239	Yes	2		0.32	30		D (not classifiable)			1.1E+002	3.0E-003	6.5E+001	4.9E-003	3.5E+005	8.7E-005	8.7E+004	3.5E-004