

12-mercury (II) chloride (CAS# 7487-94-7)															
Table 1a. Sub-lethal acute poisoning (single dose): Clinical observations (time related)															
Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case, dose, time)	Time (exposure to sampling): h	Notes (blood sample)	Blood conc.: mg/l	Blood conc.: µM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: µM	Symptoms and signs	Treatment	Time (exposure to recovery): h
1	Lowenthal 1974	1	35M	S, A	5.5	E(a)	0.5	(b)	5.2	25.9			0h: G; E0.5h: KF	0h: ST, BAL	>1200
		1					5.5	(c)	1.9	9.5			E0.5h: PD		
		1					17.5	(c)	4.2	20.9					
2	Giunta 1983	2	45F	U, A	2.5	E(d)	456	wb, (c)	0.2	1			0h: V, G	0h:ST	E1560
		2						pl, (c)	0.07	0.3			24h: KF, C, R, BD	6h(e): BAL	
		2				E	480	wb, (c)	0.7	3.5			E24h: HP, HD		
		2						pl, (c)	0.07	0.3					
3	Wang 1992	3	25M	NR	0.675	E(f)	1	wb	0.125	0.6			0h: G	0h: ST, BAL	24(g)
		3					2	wb	0.8	4					
4	Datnyer 1981	4	17F	S,A	NR	E(h)	12	sr, (i)	93	464			ba: V,G; 0h:H; E12h: LP, CF,G, MA,E,KF	0h: ST, 1.5h(k): BAL; l: FD,ST(l)	NR
		4											6d: F,P(j); 13d: G;	4d: HD; 6d: (m)	
		4											20d: SZ	113d(n); 105d:(o)	
5	Page 1983	5	17F	NR	0.74	(p)	264	(q)	2.4	12			(r), G, KF	HDx2	696 (s)
		5					NR		0.3	1.5					
6	Newton 1983	6	17F	S, A	NR	(t)	7	wb	1.2	6			0h: V,G,D; 16h: KF;	0h: ST, BAL;	960
		6						pl, (b)	0.4	2			l: BD,L; 40d: RM	24h: HD(u)	
		6					792	pl, (b)	0.1	0.2					
7	Suzuki 1992	7	26F	S, A	0.66	E(v),(w)	6	sr	23.0	116			E12: KF	0h: ST,BAL,HD,PD,ETR	2880
		7					360	sr	0.9	4.5					
		7					720	sr	2.2	11					
		7					2800	sr	0.2	1					
8	Toet 1994	8	38F	S, A	NR	(h)	8	wb	14.3	71.3			0h: G,V,KF,L,MA;	1176	
		8					678		0.3	1.2			l: HCF		
9	McFee 2001	9	40M	S, A	3 ml	(x)	36	wb	0.21	1.1			24h: R,HF,K	24h: AR; 36h: ST	504
		9					504	wb	0.25	1.3					
10	Yoshida 1997	10	26F	NR	0.9	(y)	24	pl	4.7	23.5			3h: R,V,G;	3h: ST; 24h: HD	NR
		10					96	pl	2.0	10.0			24h: KF		
		10					120	pl	2.24	11.2					
		10					140	pl	1.52	7.6					
		10					216	pl	1.3	6.5					
		10					288	pl	1.1	5.5					
11	Ashton 1989	11	42M	S, A	1	(z)	2		0.6	3			(aa)	DMPS	NR
		12	19M	S, A	29	(bb)	1.5		12	59.8			0h: MS, G; l: KF, LP; 10d: RM	0h: ST, DMPS, HD, ETR	NR
12	Nadig 1985	13	19F	S, A	3		0.5		11	54.8			0h: G; 1h: KF	0h: ST; 2h: DMSP,	2400
		13					50		15	74.8			PD 18d; l: DAL 4d, HD x4		
		13					168		2.5	12.5					
		13					216		4	19.9					

mercury (II) chloride

Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]												
MW mercury (II) chloride = 271.5												
MW mercury = 200.6												
BAL = dimercaprol												
PC = penicillamin												
DMPS = 2,3 dimercapto succinic acid												
(a) mercury bichloride plus several glutethimide tablets.												
(b) before dialysis.												
(c) during dialysis.												
(d) amount mercuric chloride in a permanent wave solution that also contained sulphuric acid.												
(e) hours after ingestion.												
(f) mercury solution of 4.5% mercuric (II) chloride, also 15 ml/10% formalin solution.												
(g) time at hospital.												
(h) unknown quantity of mercuric chloride, mercuric oxide and red lead.												
(i) blood and urine levels of lead within normal range all time.												
(j) sepsis.												
(k) hours after ingestion.												
(l) cimetidin, vit-K.												
(m) antibiotics.												
(n) laparotomy.												
(o) partial gastrectomy.												
(p) eq. amount of mercury in a tablet of 1g mercuric chloride per vaginam as an abortion attempt.												
(q) value after hemodialysis, N< 20 mg/ml.												
(r) vulvo vaginal burn.												
(s) time at hospital.												
(t) a mouthful of mixed chemicals as pure crystals ingested, however no other heavy metals than mercury was found at a concentration above normal.												
(u) a total of 180h dialysis during 31 days.												
(v) 48 kg.												
(w) powdered mercuric chloride.												
(x) plus 3 ml injected.												
(y) equal to 0.66 g of mercury.												
(z) mercuric chloride.												
(aa) no repairment of renal function.												
(bb) mercury nitrate.												

Table 1b. Sub-lethal acute poisoning (single dose): Clinical observations (without time information)															
Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case, dose, time)	Time (exposure to sampling): h	Notes (blood sample)	Blood conc.: mg/l	Blood conc.: µM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: µM	Symptoms and signs	Treatment	Time (exposure to recovery): h
1	BGPC	1	37	NR	NR	(a)	NR		4.7	23.2			NR	ST, BAL, HD	>720
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW mercury (II) chloride = 271.5															
MW mercury = 200.6															
BAL = dimercaprol															
(a) mercuric chloride ammoniated, creme cosmetique p.o.															
Table 2a. Lethal acute poisoning (single dose): Clinical observations (time related)															
Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case, dose, time)	Time (exposure to sampling): h	Notes (blood sample)	Blood conc.: mg/l	Blood conc.: µM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: µM	Symptoms and signs	Treatment	Time (exposure to death): h
1	AAPCC 1989:12	1	70F	S, A	0.473	E (a),(b)	72		2.4	12			ba(-43h): G; 0h: KF,MS, H; E168h: C, R; L: (c)	E48h: HD, BAL 96h:(d); 168h:AR	648
2	Murphy 1979	2	35M	NR	NR	(e)	72	sr	4.8	24			ba: V,G; 0h: G,CY,R,PE,E	0h: ST(g),AR	1104
		2					312	sr	2.4	12			24h: KF,G; 3d: BD, CP,L	l: BAL,(h); 6h:FD	
		2					408	sr	1.5	7.5			20d: PN,CY; 28d: G	24h: HD,T; 20d:AR	
		2											43d: SZ; 46d: DP,B	28d: (i); 39d: (j)	
		2											OL: (f),P,PE,G,L,K	43d: AC	
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW mercury (II) chloride = 271.5															
MW mercury = 200.6															
BAL = dimercaprol															
PC = penicillamin															
DMPS = 2,3 dimercaptosuccinic acid															
(a) same case as in table: Post-mortem observations (time-related).															
(b) note that the person is older than 69 years.															
(c) sepsis.															
(d) dimercaptosuccinic acid.															
(e) mercuric chloride.															
(f) cerebral abscess.															
(g) without gastric lavage.															
(h) prednisolone, antibiotics.															
(i) total colectomy.															
(j) resection of necrotic ileum.															

Table 2b. Lethal acute poisoning (single dose): Clinical observations (without time information)															
Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case, dose, time)	Time (exposure to sampling): h	Notes (blood sample)	Blood conc.: mg/l	Blood conc.: µM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: µM	Symptoms and signs	Treatment	Time (exposure to death): h
1	BGPC	1	Ad	NR	NR		NR		13500	67300			K,CA,R,G,MA,CP,KF,F	ST,BAL,HD(a),AR	>408
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW mercury (II) chloride = 271.5															
MW mercury = 200.6															
BAL = dimercaprol															
(a) gastrectomy.															
Table 3a. Post-mortem observations (time related)															
Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case, dose, time)	Time (exposure to sampling): h	Notes (blood sample)	Blood conc.: mg/l	Blood conc.: µM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: µM	Symptoms and signs	Treatment	Time (exposure to death): h
no cases															
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW mercury (II) chloride = 271.5															
MW mercury = 200.6															
Table 3b. Post-mortem observations (without time information)															
Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case, dose, time)	Time (exposure to sampling): h	Notes (blood sample)	Blood conc.: mg/l	Blood conc.: µM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: µM	Symptoms and signs	Treatment	Time (exposure to death): h
1	AAPCC 1989:12	1	70F	S,A	0.473	(a)	NR	T	12.4	61.8			ba(-43h): G; 0h: KF,MS, H	E48h: HD, BAL	648
		1											E168h: C, R; L: (c)	96h:(d); 168h: AR	
2	Klendshoj 1966	2	48F	NR	4.5	(d)	NR	T	0.8	4			G, KF; OL: G, K	PD; BAL	E192
3	Stentoft 1972	3	53M	NR	NR	(d)	NR	T	22	109.7			NR	NR	E4
4	Winstanley 1987	4	50M	NR	9.5	(d)	NR	T	72	358.9			NR	NR	9
5	Winek 1981	5	66F	S	NR	(d)	NR		22	109.7			OL: G	NR	NR
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW mercury (II) chloride = 271.5															
MW mercury = 200.6															
BAL = dimercaprol															
(a) same case as in table: Lethal acute poisoning (single dose): Clinical observations (time related).															
(b) sepsis.															
(c) dimercaptosuccinic acid.															
(d) bichloride of mercury.															