

acetonitrile

92-acetonitrile (CAS# 1975-05-08)															
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	Mueller 1977	1	39F	S, A	25		5.5	p, (a)	640	15534	0.85	32.7	11h: C, MA	11h and 32h: (b)	624
		1				15	p, (c)	470	11408	1.7	65.38				
		1				19.5		360	8738	1.36	52.3				
		1				57.5		140	3398	0.37	14.23				
		2													
2	Turchan 1991	2	39F	S, A	60 ml		8				3.13	120.38	11.5h: SZ, MA	ST, (b)	120
		2				30			1.02	39.23					
		2				59	p		12.81	492.69					
		2				65			10.49	403.46					
		2				77			11.76	452.31					
		2				83			6.52	250.77					
		2				89			4.52	173.85					
		2				100			0.36	13.85					
3	Michaelis 1991	3	30M	S, A	5 ml		5	p, (a)	80	1950	7.1	273.1	NS	4.5h: ST, (b); 5.5h: AR	30
		3				25	p, (c)	40	971	17.3	665.38				
		3				60		30	728	10	384.62				
		3				80		20	485						
		3				120			0.3	11.54					
		3				122		8	194						
4	Amdur 1959	4	28M	A, U		(d)	20				9.7	373.1	R	AR, ST, TR	264
		4			48	p			10.9	419.2					
		4			72			8.8	338.5						
		4			120			2.96	113.8						
		4			192			1.4	53.8						
<b>Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]</b>															
MW acetonitrile = 41.1															
MW cyanide = 26															
(a) peak for acetonitrile.															
(b) antidote kit including some of the following substances: amyl nitrite, sodium nitrite and sodium thiosulfate.															
(c) peak for cyanide.															
(d) inhalation, handpainting with a resin containing 30-40% acetonitrile.															

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
no cases															
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW acetonitrile = 41.1															
MW cyanide = 26															
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	Dequidt 1972	1	19M	U, A		(a)	48				3.76	145	C, LP, CA		120
		1					72		12	291	10.38	399			
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW acetonitrile = 41.1															
MW cyanide = 26															
(a) inhalation.															

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
no cases															
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW acetonitrile = 41.1															
MW cyanide = 26															
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 acetonitrile = 41.1															
MW cyanide = 26															
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	Jones 1992	1	48M	A	NR				800	19417	2.4	92.31			
		2	53F	A	NR				770	18689	4.5	173.08			
2	Swanson 1994	3	39F	S	NR				435	10558	4.4	169.23			
3	Amdur 1959	4	23M	U		(a)					7.96	306.1			
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW acetonitrile = 41.1															
MW cyanide = 26															
(a) inhalation, handpainting with a resin containing 30-40% acetonitrile.															