

sodium bicarbonate

93-sodium bicarbonate (CAS# 144-55-8)															
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	Razavi 2000	1	35M	Z	NR	(a), ET	2	sr, (b)	3289	143000			MS, (e)	NT	NR
		1					2	sr, (c)	2318	38000					
		1					72	sr, (c)	1220	20000					
2	Thomas 1994	2	58M	U		(d)	24	st, (b)	3359	146000			MS, V, (e)	(f)	
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms. symptoms and signs. treatment)]															
MW sodium bicarbonate = 84.0															
MW bicarbonate ion = 61.0															
MW sodium ion = 23.0															
(a) medication included cyclosporin, prednisone, atenolol, and sodium bicarbonate. A couple of tablespoons baking soda every day.															
(b) concentration of sodium ion.															
(c) concentration of HCO ₃ .															
(d) consumed at least 4 oz of baking soda; the same case as in Table: Sublethal acute poisoning (single dose): Clinical observations (without time information).															
(e) metabolic alkalosis.															
(f) treated with antibiotics for a possible aspiration pneumonia.															

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	Linford 1986	1	21F	U		(a)		pl, (b)	2440	40000			MS	(c)	NR
2	Thomas 1994	2	58M	U		(d)		(e)	3036	132000			MS	ST	96
3	Fitzgibbons 1999	3	39M	U		(f)		(g)	3538	58000			MS, (i)		
		3						(e)	2967	129000					
		4	49F			(h)		(g)	2519	41300			MS, (i)		
		4						(e)	3358	146000					
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms. symptoms and signs. treatment)]															
MW sodium bicarbonate = 84.0															
MW bicarbonate ion = 61.0															
MW sodium ion = 23.01															
(a) daily amounts of sodium bicarbonate ranging from 50 to 150 g.															
(b) concentration of HCO ₃ was greater than 40 mM.															
(c) supportive psychotherapy.															
(d) ingested 10 to 12 oz of baking soda during a 5-day period before presentation; the same case as in Table: Sublethal acute poisoning (single dose): Clinical observations (time related).															
(e) concentration of sodium.															
(f) consumed several tablespoons of baking soda daily for symptoms of dyspepsia (amount not reported).															
(g) concentration of HCO ₃ .															
(h) consumed a box of backing soda weekly (amount not reported).															
(i) metabolic alkalosis.															

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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	Cooper 1987	1	66M	Z		(a), ET	48	sr, (b)	2875	125000			P, KF, RA, MA	AR, HD, UL	168, (c)
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms. symptoms and signs. treatment)]															
MW sodium bicarbonate = 84.0															
MW bicarbonate ion = 61.0															
MW sodium ion = 23.0															
(a) viral pneumonia with acute respiratory failure. On the three occasions 100 ml of 8.4% sodium bicarbonate was infused.															
(b) concentration of sodium ion.															
(c) sudden episode of ventricular fibrillation, from which patient could not be resuscitated.															
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 sodium bicarbonate = 84.0															
MW bicarbonate ion = 61.0															
MW sodium ion = 23.0															

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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 sodium bicarbonate = 84.0															
MW bicarbonate ion = 61.0															
MW sodium ion = 23.0															
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
no cases															
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms. symptoms and signs. treatment)]															
MW sodium bicarbonate = 84.0															
MW bicarbonate ion = 61.0															
MW sodium ion = 23.0															