



- NaHCO₃ IV titrate according to ABG or HCO₃
- Give 1 additional half the initial dose of both antidotes if signs of CN poisoning persist for 30 minutes **OR** recur after 30 minutes.

Forms of cyanide and suggested antidotes

HCN i.e. housefire, factory

- Onset : seconds
- Housefire : thiosulfate alone

- Non-fire incidence : nitrite and

thiosulfate

Salt CN solution i.e. NaCN, KCN

- Onset : minutes

- Nitrite and thiosulfate

Cyanogenic glycoside i.e. cassava

- Onset : hours
- Nitrite and thiosulfate

Acetonitrile

- Onset : hours to days
- Nitrite and thiosulfate

Pediatric Sodium Nitrite Guidelines

Hb	NaNO2 (mg/kg)	3% sol.
7.0	5.8	0.19
8.0	6.6	0.22
9.0	7.5	0.25
10.0	8.3	0.27
11.0	9.1	0.30
12.0	10.0	0.33
13.0	10.8	0.36
14.0	11.6	0.39

Adapted from Berlin CM: The treatment of cyanide poisoning in children. *Pediatrics*. 1970;46:793–796.

Decontamination

- Protect health care provider from secondary contamination
- For dermal exposure : carefully remove all contaminated clothing and flush the skin
- For ingestion : lavage, activated charcoal (within 1 hour for salt CN, or 4 hours for cyanogenic glycoside) if no contraindications