

Sodium Cyanide

Formula NaCN (in aqueous solution).
CAS number 1310-73-2
Index number 011-002-00-6
Appearance Clear solution.

Physical properties Crystallization point:
30% aqueous solution (1% free NaOH): + 1 °C
27% aqueous solution (1% free NaOH): -10 °C
Sodium cyanide is liable to hydrolysis, depending on the concentration, the storage time and the temperature; sodium formiate and ammonia are formed.
About 2% formiate is formed after 60 days storage of a 30% aqueous cyanide solution containing 1% free sodium hydroxide at a temperature of 30°C.

Specification	NaCN	29.5 - 30.5% by weight *
	Free NaOH	min. 0.4% - max 1.0% by weight
	Carbonate	max. 0.1% by weight
	Na-formiate	max. 0.5% by weight
	Na-acetate	max. 0.3% by weight
	Iron	max. 25 mg/kg
	Chlorine expressed as NaCl	max. 0.1% by weight
	Colour APHA	max. 25

* Note: if necessary during cold seasons, the concentration can be adjusted to prevent crystallization.

Packing Road tank-cars, rail tank-cars.

Safety information & Applications See for reference our Extended Material Safety Data Sheet (e-MSDS)

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