

## Identification

NaCN  
M = 49,01 g/mol  
CAS [143-33-9]  
EC number: 205-599-4  
Taric code: 2837 11 00

## Applications

for the extraction of gold and silver from minerals, laboratory reagent, fumigant, in galvanotechnia.

## Specifications

assay (argentometric).....	min. 98 %	sulfides (S).....	max. 0,003 %
insoluble in water.....	max. 0,01 %	sulfocyanides (SCN).....	max. 0,05 %
chlorides (Cl).....	max. 0,025 %	copper (Cu).....	max. 0,002 %
ferrocyanide (Fe(CN) <sub>6</sub> ).....	max. 0,025 %	iron (Fe).....	max. 0,01 %
phosphates (as PO <sub>4</sub> ).....	max. 0,01 %	lead (Pb).....	max. 0,001 %
sulfates (SO <sub>4</sub> ).....	max. 0,025 %	potassium (K).....	max. 0,2 %
		zinc (Zn).....	max. 0,02 %

## Physical data

- Appearance: regular blocks, white, up to 3 cm
- Spec. Density: 1,6 g/cm<sup>3</sup>
- Bulk density: ~ 750 - 900 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 370 g/l
- Melting point: 563 °C
- Boiling point: 1496 °C
- Vapour pressure: (50 °C) 0,1 hPa
- pH(100 g/l H<sub>2</sub>O, 20 °C) ~ 11,7
- Hygroscopic

## Safety - GHS

Signal Word: Danger

### Hazard Statements:

- H300: Fatal if swallowed.
- H310: Fatal in contact with skin.
- H330: Fatal if inhaled.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.
- EUH032: Contact with acids liberates very toxic gas.



### Precautionary Statements:

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
- P284: Wear respiratory protection.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P320: Specific treatment is urgent (see on this label).
- P405: Store locked up.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

## Transport/storage

- ADR: 6.1 T5 I • UN 1689 • SODIUM CYANIDE, SOLID
- IMDG: 6.1 I • UN 1689 • SODIUM CYANIDE, SOLID
- IATA/ICAO: 6.1 I • UN 1689 • SODIUM CYANIDE, SOLID
- PAX: 606
- CAO: 607
- 10°C - 30°C