

Identification

KCN
M = 65,12 g/mol
CAS [151-50-8]
EC number: 205-792-3
Taric code: 2837 19 00

Synonyms

Cyanogen potassium

Applications

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

Specifications

assay (argentometric).....	min. 96 %	sulfides (S).....	max. 0,005 %
insoluble in water.....	max. 0,02 %	thiocyanates (SCN).....	max. 0,05 %
chlorides (Cl).....	max. 0,1 %	iron (Fe).....	max. 0,05 %
phosphates (as PO ₄).....	max. 0,02 %	lead (Pb).....	max. 0,001 %
sulfates (SO ₄).....	max. 0,05 %	sodium (Na).....	max. 0,5 %
		zinc (Zn).....	max. 0,05 %

Physical data

- Appearance: crystals, white
- Spec. Density: 1,55 g/cm³
- Bulk density: ~ 750 kg/m³
- Solub. in water: (25 °C): 716 g/l
- Melting point: 634 °C
- Boiling point: 1625 °C
- Vapour pressure: (634,5 °C) 1,8 hPa
- pH(20 g/l H₂O, 20 °C) ~ 11 - 12
- 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 1680 • POTASSIUM CYANIDE, SOLID
- IMDG: 6.1 I • UN 1680 • POTASSIUM CYANIDE, SOLID
- IATA/ICAO: 6.1 I • UN 1680 • POTASSIUM CYANIDE, SOLID
- PAX: 606
- CAO: 607
- 10°C - 30°C