

Potassium thiocyanate, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

Identification

KSCN
M = 97,18 g/mol
CAS [333-20-0]
EC number: 206-370-1
Taric code: 2842 90 80

Synonyms

Potassium sulfocyanate, Potassium rhodanide, Potassium sulfocyanide

Applications

in the textile industry, photography, analytical chemistry.

Specifications

assay (argentometric).....	min. 99,0 %	sulfides (S).....	max. 0,001 %
identity (IR-spectrum).....	passes test	ammonium (NH ₄).....	max. 0,002 %
insoluble in water.....	max. 0,003 %	copper (Cu).....	max. 2 ppm
pH (5 %, H ₂ O).....	5,3 - 8,5	heavy metals (as Pb).....	max. 5 ppm
chlorides (Cl).....	max. 0,005 %	iron (Fe).....	max. 1 ppm
sulfates (SO ₄).....	max. 0,002 %	lead (Pb).....	max. 2 ppm
matter consuming I (as I).....	passes test	sodium (Na).....	max. 0,005 %

Physical data

- Appearance: humid crystals, colourless or white
- Spec. Density: 1,89 g/cm³
- Bulk density: ~ 750 - 1000 kg/m³
- Solub. in water: (20 °C): soluble
- Melting point: 175 °C
- Boiling point: 500 °C (decomposes)
- pH(50 g/l H₂O, 20 °C) ~ 5 - 7
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H318: Causes serious eye damage.
H332: Harmful if inhaled.
H412: Harmful to aquatic life with long lasting effects.
EUH032: Contact with acids liberates very toxic gas.



Precautionary Statements:

- P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor / physician.
P321: Specific treatment (see on this label).
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C