

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

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.
- P322: Specific measures (see on this label).
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P363: Wash contaminated clothing before reuse.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 854 mg/kg
- WGK: 1
- Poison class CH (Swiss): 3