

**Potassium thiocyanate, EssentQ®****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. 98,0 %	sulfates (SO <sub>4</sub> ).....	max. 0,1 %
identity (IR-spectrum).....	passes test	ammonium (NH <sub>4</sub> ).....	max. 0,01 %
insoluble in water.....	max. 0,02 %	copper (Cu).....	max. 0,002 %
pH (5 %, H <sub>2</sub> O).....	5,0 - 8,7	iron (Fe).....	max. 0,002 %
chlorides (Cl).....	max. 0,05 %	lead (Pb).....	max. 0,002 %

**Physical data**

- Appearance: humid crystals, colourless or white
- Spec. Density: 1,89 g/cm<sup>3</sup>
- Bulk density: ~ 750 - 1000 kg/m<sup>3</sup>
- Solub. in water: (20 °C): soluble
- Melting point: 175 °C
- Boiling point: 500 °C (decomposes)
- pH(50 g/l H<sub>2</sub>O, 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