

Identification

NH₄SCN
M = 76,12 g/mol
CAS [1762-95-4]
EC number: 217-175-6
Taric code: 2842 90 80

Synonyms

Ammonium sulfocyanide, Ammonium sulfocyanate, Ammonium rhodanide, Thiocyanic acid ammonium salt

Applications

analytical chemistry, synthesis of organic products, photography.

Specifications

assay (argentometric).....	min. 99 %	copper (Cu).....	max. 4 ppm
insoluble in water.....	max. 0,005 %	heavy metals (as Pb).....	max. 5 ppm
pH (5 %, H ₂ O).....	4,8 - 5,8	iron (Fe).....	max. 1 ppm
chlorides (Cl).....	max. 0,005 %	lead (Pb).....	max. 4 ppm
sulfides (S).....	max. 0,001 %	I ₂ consuming substances.....	max. 0,004 meq/g
sulfates (SO ₄).....	max. 0,0025 %	residue on ignition (as SO ₄).....	max. 0,025 %

Physical data

- Appearance: crystals, colourless or white
- Spec. Density: 1,31 g/cm³
- Bulk density: ~ 600 kg/m³
- Solub. in water: (20 °C): soluble
- Melting point: 150 °C
- Boiling point: 170 °C (decomposes)
- pH(50 g/l H₂O, 20 °C) 4,8 - 5,8
- Hygroscopic

Safety - GHS

Signal Word: Warning

Hazard Statements:

- H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H332: Harmful if inhaled.
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.
P321: Specific treatment (see on this label).
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C