

Identification

KI
M = 166,01 g/mol
CAS [7681-11-0]
EC number: 231-659-4
Taric code: 2827 60 00

Synonyms

Knollide

Applications

analytical chemistry, laboratory reagent, emulsifier (photography), in pharma industry.

Specifications

assay (argentometric, referred to dried sample).....	99,0 - 100,5 %	nitrates, nitrites and ammonia.....	passes test
identification.....	passes test	iron (Fe).....	max. 20 ppm
appearance of solution.....	clear and colourless	loss on drying (105 °C, 3 h).....	max. 1,0 %
alkalinity.....	passes test	loss on drying (105 ° C, 4h)	max. 1,0 %
iodates (IO ₃).....	passes test	Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.	
sulfates (SO ₄).....	max. 150 ppm	Residual solvents are analysed according to guideline CPMP/ICH/283/95.	
thiosulfates (S ₂ O ₃).....	passes test		
thiosulfates and barium.....	passes test		

Physical data

- Appearance: crystals, white or almost white
- Spec. Density: 3,13 g/cm³
- Bulk density: ~ 1500 kg/m³
- Solub. in water: (20 °C): soluble
- Melting point: 686 °C
- Boiling point: 1330 °C
- Vapour pressure: (745 °C) 1,3 hPa
- pH(50 g/l H₂O, 20 °C) ~ 6,9
- Hygroscopic

Safety - GHS

Signal Word: Warning

Hazard Statements:

H372: Causes damage to organs through prolonged or repeated exposure.

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P314: Get medical advice / attention if you feel unwell.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 2779 mg/kg
- WGK: 1
- Poison class CH (Swiss): 4