

Identification

AgNO₃
M = 169,87 g/mol
CAS [7761-88-8]
EC number: 231-853-9
Taric code: 2843 21 00

Applications

analytical chemistry, laboratory reagent, titrant in volumetric analysis, photography, manufacture of dyes, antiseptic, manufacture of mirrors.

Specifications

assay (argentometric).....	99,0 - 100,5 %	sulfates (SO ₄).....	max. 0,002 %
identity (IR-spectrum).....	passes test	foreign salts.....	max. 0,3 %
appearance of solution.....	clear and colourless	aluminium, lead, copper and bismuth.....	passes test
clarity of solution.....	passes test	copper (Cu).....	max. 5 ppm
acidity or alkalinity.....	passes test	iron (Fe).....	max. 5 ppm
free acid.....	passes test	lead (Pb).....	max. 0,001 %
chlorides (Cl).....	max. 5 ppm	non precipitable with HCl (as SO ₄).....	max. 0,01 %

Physical data

- Appearance: crystals, white
- Spec. Density: 4,35 g/cm³
- Bulk density: ~ 2350 kg/m³
- Solub. in water: (20 °C): soluble
- Melting point: 212 °C
- Boiling point: 444 °C (decomposes)
- pH(100 g/l H₂O, 20 °C) 5,4 - 6,4

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H272: May intensify fire; oxidiser.
H314: Causes severe skin burns and eye damage.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.



Precautionary Statements:

- P221: Take any precaution to avoid mixing with combustibles.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
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.
P370+P378: In case of fire: Use ... for extinction.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 5.1 O2 II • UN 1493 • SILVER NITRATE
- IMDG: 5.1 II • UN 1493 • SILVER NITRATE
- IATA/ICAO: 5.1 II • UN 1493 • SILVER NITRATE
- PAX: 508
- CAO: 511
- 10°C - 30°C