

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, in pharma industry.

Specifications

assay (argentometric)..... 99,0 - 100,5 %
assay (argentometric, on dried sample)..... 99,8 - 100,5 %
Identification nitrates..... passes test
Identification silver..... passes test
Identification B (USP)..... passes test

appearance of solution..... clear and colourless
clarity and colour of solution..... clear and colourless
acidity or alkalinity..... passes test
aluminium, lead, copper and bismuth..... passes test
foreign salts..... max. 0,3 %
copper (Cu)..... passes test

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