

## Identification

AgNO<sub>3</sub>  
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 %	foreign salts.....	max. 0,3 %
assay (argentometric, on dried sample).....	99,8 - 100,5 %		
identification.....	passes test	Elemental impurities are analysed	
appearance of solution.....	clear and colourless	according to guideline	
acidity or alkalinity.....	passes test	CHMP/ICH/353369/2013.	
aluminium, lead, copper and bismuth.....	passes test		
		Residual solvents are analysed	
		according to guideline	
		CPMP/ICH/283/95.	

## Physical data

- Appearance: crystals, white
- Spec. Density: 4,35 g/cm<sup>3</sup>
- Bulk density: ~ 2350 kg/m<sup>3</sup>
- Solub. in water: (20 °C): soluble
- Melting point: 212 °C
- Boiling point: 444 °C (decomposes)
- pH(100 g/l H<sub>2</sub>O, 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.  
P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
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.  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

## Toxicological data

- LD 50 (oral, rat): 1173 mg/kg
- MAK: 0,01 mg/m<sup>3</sup>
- WGK: 3
- Poison class CH (Swiss): 3

## 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