

Identification

NH₄Cl
M = 53,49 g/mol
CAS [12125-02-9]
EC number: 235-186-4
Taric code: 2827 10 00

Synonyms

Salt ammoniac

Applications

manufacture of dyes, in explosive compositions, analytical chemistry, in pharma industry.

Specifications

assay (argentometric, on dried sample).....	99,5 - 100,5 %	calcium (Ca).....	max. 0,02 %
identification.....	passes test	heavy metals (as Pb).....	max. 0,001 %
acidity or alkalinity.....	passes test	iron (Fe).....	max. 0,002 %
appearance of solution.....	clear and colourless	residue on ignition (as SO ₄).....	max. 0,1 %
pH (5 %, H ₂ O).....	4,6 - 6,0	loss on drying (105 °C).....	max. 0,5 %
bromides and iodides.....	passes test	Residual solvents are analysed	
sulfates (SO ₄).....	max. 0,015 %	according to guideline	
limit of thiocyanate.....	passes test	CPMP/ICH/283/95.	

Packaging

Packaging Code

500 g  AM02700500
1 kg  AM02701000
5 kg  AM0270005P

Physical data

- Appearance: crystals, white or almost white
- Spec. Density: 1,52 g/cm³
- Bulk density: ~ 500 kg/m³
- Solub. in water: (20 °C): 372 g/l
- Melting point: 335 °C (decomposes)
- Ignition temperature: > 400 °C
- Vapour pressure: (30 °C) 1,3 hPa
- pH(50 g/l H₂O, 20 °C) 4,5 - 5,5

Safety - GHS

Signal Word: Warning

Hazard Statements:

H302: Harmful if swallowed.
H319: Causes serious eye irritation.



Precautionary Statements:

P280: Wear protective gloves / protective clothing / eye protection / face protection.
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice / attention.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 1440 mg/kg
- MAK: 1,5 mg/m³
- WGK: 1
- Poison class CH (Swiss): 4