

Ammonia, solution 20% w/w, EssentQ®

Identification

NH₃
M = 17,03 g/mol
CAS [1336-21-6]
EC number: 215-647-6
Taric code: 2814 20 00

Synonyms

Ammonia water

Applications

analytical chemistry, laboratory reagent, detergent, bleaching agent, reagent for saponification reactions.

Specifications

assay (acidimetric, NH ₃).....	min. 20 %	iron (Fe).....	max. 1 ppm
density (20°/4°).....	0,917 - 0,923	lead (Pb).....	max. 1 ppm
carbonates (as CO ₂).....	max. 0,005 %	magnesium (Mg).....	max. 0,001 %
chlorides (Cl).....	max. 0,0005 %	nickel (Ni).....	max. 1 ppm
phosphates (as PO ₄).....	max. 0,0005 %	zinc (Zn).....	max. 1 ppm
calcium (Ca).....	max. 0,001 %	sulphur compounds (as SO ₄).....	max. 0,001 %
copper (Cu).....	max. 1 ppm	residue on evaporation.....	max. 0,002 %

Physical data

- Density: ~ 0,93 g/cm³
- Solub. in water: (20 °C): miscible
- pH(20 °C) > 12

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H314: Causes severe skin burns and eye damage.
H335: May cause respiratory irritation.
H400: Very toxic to aquatic life.

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
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.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 8 C5 III • UN 2672 • AMMONIA SOLUTION
- IMDG: 8 III • UN 2672 • AMMONIA SOLUTION
- IATA/ICAO: 8 III • UN 2672 • AMMONIA SOLUTION
- PAX: 819
- CAO: 813
- 15°C - 25°C